MATERIAL SAFETY DATA SHEET 374034AF

Page: 1

RODUCT NAME: INTAGLIO, C/W BLACK INK, I-287 HMIS CODES: H F R P

PRODUCT CODE: 374034AF

2 1 0 B

MANUFACTURER'S NAME: SICPA Securink Corporation

ADDRESS

: 8000 RESEARCH WAY

SPRINGFIELD, VA 22153

EMERGENCY PHONE : (703) 455-8050

INFORMATION PHONE : (703) 455-8050 NAME OF PREPARER : TOM CLASSICK/bdr

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ======

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRI		WEIGHT PERCENT	
PCLYALKYLENE OXIDE POLYOL OSHA PEL: Not Established	25322-69-4	0.3	68 F	<5	4 1 1 7 2 2 7 7 7 1
ACGIH TLV: Not Established C.I. PIGMENT BLACK 7 OSHA PEL as Carbon Black: 3.5 mg/m3 TVA 8-hour ACGIH TLV as Carbon Black (1986): 3.5 mg/m3 TVA 8-hour	1333-86-4	n/a	n/a	< 5	

*** No toxic chamical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

BOILING RANGE: >300 deg F

SPECIFIC GRAVITY (H2O=1): 1.54

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: SPARINGLY SOLUBLE

APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR

FLASH POINT: >200 deg F

METHOD USED: OC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE KNOWN

SECTION V - REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID

MATERIAL SAFETY DATA SHEET 374034AF

DATE PRINTED: 01-06-1998

Page:

2

IGNITION SOURCES

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DRONSINESS, HEADACHE, OR NAUSEA.

THIS PRODUCT CONTAINS A HYDROCARBON COMPOUND. UNDER NORMAL INDUSTRIAL USE, GENERATION OF MINERAL OIL HISTS IS NOT ANTICIPATED. HOWEVER, IF OIL MISTS ARE GENERATED DUE TO THE MECHANICAL OPERATION OF MOVING PRESS PARTS OR OTHER SOURCES, INHALATION OF MINERAL OIL MISTS MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA. THE OSHA PEL AND THE ACGIH TLY FOR "OIL MIST, MINERAL" IS 5 mg/m3 TVA 8-HOUR.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN - MAY CAUSE REDNESS, RASH, OR DERMATITIS IN SCHE HYPERSENSITIVE INDIVIDUALS. EYE - MAY CAUSE BURNING AND IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE YONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROWSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED. POLYALKYLENE OXIDE POLYOL IS MODERATELY TOXIC IF INGESTED.

ACUTE HEALTH HAZARDS

INHALATION - DIZZINESS, DROWSINESS, OR NAUSEA.

EYE CONTACT - THIS MATERIAL MAY CAUSE SLIGHT TO MODERATE IRRITATION OF THE EYE. TESTS OF SIMILAR PRODUCTS HAVE CAUSED EYE IRRITATION IN LABORATORY ANIMALS.

SKIN CONTACT - MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT MAY LEAD TO DERMATITIS.

CHRONIC HEALTH HAZARDS

HONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No THIS PRODUCT CONTAINS CARBON BLACK. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS IDENTIFIED CARBON BLACK AS "POSSIBLY CARCINOGENIC TO HUMANS" (GROUP 28). IARC MONOGRAPH: VOLUME 65; 1996. REPEATED INHALATION OF HIGH CONCENTRATIONS OF CARBON BLACK HAVE BEEN LINKED TO TUMORS AND OTHER LUNG DISORDERS IN EXPERIMENTAL ANIMALS. NO SUCH EFFECTS HAVE BEEN ESTABLISHED IN HUMANS. DUE TO THE NATURE OF THIS PRODUCT, INHALATION OF SIGNIFICANT QUANTITIES OF CARBON BLACK IS UNLIKELY.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE DERNATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

YE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

MATERIAL SAFETY DATA SHEET 374034AF

DATE PRINTED: 01-06-1998

Page: 3

SECTION	VII	_	PRECAUTIONS	FOR	SAPE	HANDLING	AND	use	
									

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP. WASH AREA THOROUGHLY.

INK SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS

KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME. DO NOT FLAME-CUT OR WELD DRUMS.

DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

RESPIRATORY PROTECTION

NOT NECESSARY IN NORMAL HANDLING. NIGSH APPROVED RESPIRATOR RECOMMENDED IF EXPOSURE LIMITS ARE EXCEEDED.

VENTILATION -

RECOMMEND LOCAL EXHAUST.

PROTECTIVE GLOVES

CHEMICAL RESISTANT GLOVES (e.g., NITRILE RUBBER) RECOMMENDED.

EYE PROTECTION

GOGGLES RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL WORK CLOTHES TO PREVENT CONTACT WITH HATERIALS.

WORK/HYGIENIC PRACTICES

EYE WASH IN THE WORK PLACE IS RECOMMENDED.

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY SICPA TO BE ACCURATE. NO GUARANTEE IS IMPLIED OR EXPRESSED REGARDING THE ACCURACY OF THIS INFORMATION, NOR DOES SICPA ASSUME ANY LEGAL RESPONSIBILITY FOR RELIANCE ON OR USE OF THIS INFORMATION. USERS ARE RESPONSIBLE FOR CONDUCTING THEIR OWN TESTS.

MATERIAL SAFETY DATA SHEET 354034AF

Page:

PRODUCT NAME: INTAGLIO, C/W GREEN INK, I-286 PRODUCT CODE: 354034AF

HMIS CODES: H F R P

2 1 0 B

1

MANUFACTURER'S NAME: SICPA Securink Corporation

ADDRESS

: 8000 RESEARCH WAY

SPRINGFIELD, VA 22153

EMERGENCY PHONE : (703) 455-8050

INFORMATION PHONE : (703) 455-8050

NAME OF PREPARER : TOM CLASSICK/bdr

====== section II - HAZARDous ingredients/SARA III information =======

VAPOR PRESSURE REPORTABLE COMPONENTS WEIGHT nm lig a TEMP PERCENT POLYALKYLENE OXIDE POLYOL 25322-69-4 0.3 OSHA PEL: Not Established 68 F ACGIH TLV: Not Established C.I. PIGHENT BLACK 7 1333-86-4 OSHA PEL as Carbon Black: 3.5 mg/m3 TWA 8-hour ก/a n/a <5 ACGIH TLV as Carbon Black (1986): 3.5 mg/m3 TWA 8-hour

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

BOILING RANGE: >300 deg F

VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: SPARINGLY SOLUBLE

APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR

FLASH POINT: >200 deg F

METHOD USED: OC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE KNOWN

STABILITY: STABLE CONDITIONS TO AVOID

MATERIAL SAFETY DATA SHEET 354034AF

DATE PRINTED: 01-06-1998

Page:

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IGNITION SOURCES

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DRONSINESS, HEADACHE, OR MAUSEA.

THIS PRODUCT CONTAINS A HYDROCARBON COMPOUND. UNDER NORMAL INDUSTRIAL USE, GENERATION OF MINERAL OIL MISTS IS NOT ANTICIPATED. HOWEVER, IF OIL MISTS ARE GENERATED DUE TO THE MECHANICAL OPERATION OF MOVING PRESS PARTS OR OTHER SOURCES, INHALATION OF MINERAL OIL MISTS MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA. THE OSHA PEL AND THE ACGIN TLV FOR "DIL HIST, MINERAL" IS 5 mg/m3 TWA 8-HOUR.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN - MAY CAUSE REDNESS, RASH, OR DERMATITIS IN SOME HYPERSENSITIVE INDIVIDUALS. EYE - MAY CAUSE BURNING AND IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE 'CHE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROWSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED. POLYALKYČENE OXIDE POLYOL IS MODERATELY TOXIC IF INGESTED.

ACUTE HEALTH HAZARDS

INHALATION - DIZZINESS, DROUSINESS, OR NAUSEA.

EYE CONTACT - THIS MATERIAL MAY CAUSE SLIGHT TO MODERATE IRRITATION OF THE EYE. TESTS OF SIMILAR PRODUCTS HAVE CAUSED EYE IRRITATION IN LABORATORY ANIMALS.

SKIN CONTACT - MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT MAY LEAD TO DERMATITIS.

CHRONIC HEALTH HAZARDS

NONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No THIS PRODUCT CONTAINS CARBON BLACK. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS IDENTIFIED CARBON BLACK AS "POSSIBLY CARCINGENIC TO HUMANS" (GROUP 2B). LARC MONOGRAPH: VOLUME 65; 1996. REPEATED INHALATION OF HIGH CONCENTRATIONS OF CARBON BLACK HAVE BEEN LINKED TO TUMORS AND OTHER LUNG DISORDERS IN EXPERIMENTAL ANIMALS. NO SUCH EFFECTS HAVE BEEN ESTABLISHED IN HUMANS. DUE TO THE NATURE OF THIS PRODUCT, INHALATION OF SIGNIFICANT QUANTITIES OF CARBON BLACK IS UNLIKELY.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

LYE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

MATERIAL SAFETY DATA SHEET 354034AF

DATE PRINTED: 01-06-1998

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======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP, WASH AREA THOROUGHLY.

INK SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE; DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS

KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME.

DO NOT FLAME-CUT OR WELD DRUMS.

DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

RESPIRATORY PROTECTION

NOT NECESSARY IN NORMAL HANDLING. NIGSH APPROVED RESPIRATOR RECOMMENDED IF EXPOSURE LIMITS ARE EXCEEDED.

VENTILATION .

RECOMMEND LOCAL EXHAUST.

≥ROTECTIVE GLOVES

CHEMICAL RESISTANT GLOVES (e.g., NITRILE RUBBER) RECOMMENDED.

EYE PROTECTION

GOGGLES RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL WORK CLOTHES TO PREVENT CONTACT WITH HATERIALS.

WORK/HYGIENIC PRACTICES

EYE WASH; IN THE WORK PLACE IS RECOMMENDED.

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY SICPA TO BE ACCURATE. NO GUARANTEE IS IMPLIED OR EXPRESSED REGARDING THE ACCURACY OF THIS INFORMATION, NOR DOES SICPA ASSUME ANY LEGAL RESPONSIBILITY FOR RELIANCE ON OR USE OF THIS INFORMATION. USERS ARE RESPONSIBLE FOR CONDUCTING THEIR OWN TESTS.

MATERIAL SAFETY DATA SHEET

a bentagi daga a barangan ga barangan bentak ang kalang palah bentaga barang sanan sa barang bang palah ang barang PRODUCT NAME: I-286 INTAG. CYLINDER-WIPE HMIS CODES: H F R P

MANUFACTURER'S NAME: SICPA Securink Corporation ADDRESS: 8000 RESEARCH WAY, SPRINGFIELD, VA 22153

EMERGENCY PHONE: (703) 455-8050 INFORMATION PHONE: (703) 455-8050 DATE REVISED : 01-05-94

NAME OF PREPARER : TOM CLASSICK/bdr

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =======

HAZARDOUS COMPONENTS

OCCUPATIONAL EXPOSURE LIMITS CAS NUMBER OSHA PEL ACGIH TLV OTHER

YAPOR PRESSURE WEIGHT mm Hg & TEMP PERCENT

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED IN 29 CFR 1910.1200. HAZARD: EYE IRRITANT. SEE SECTION VI.

APPROVED FOR USE SAFETY & HEALTH O	FFICE	
HSDS #:	100	• •
ENTE REVIEWED:	7-76-96	•
EVIEWED by:		

BOILING POINT: >300 deg F SPECIFIC GRAVITY (H20=1): 1.4

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: SPARINGLY SOLUBLE

APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR

FLASH POINT: >200 F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER:

N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

SUAL FIRE AND EXPLOSION HAZARDS

FEETENEERS DATA OF HEREES SECTION V. REACTIVITY DATA OF HEREESESSESSESSES

STABILITY: STABLE CONDITIONS TO AVOID

NITION SOURCES

INCOMPATIBILITY (MATERIALS TO ASSESS INCOMPATIBILITY (MATERIALS TO AVOID) STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS WILL NOT OCCUR UNDER HORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE SKIN - MAY CAUSE REDNESS, RASH, OR DERMATITIS IN SOME HYPERSENSITIVE INDIVIDUALS. EYE - THIS PRODUCT IS AN EYE IRRITANT, BASED ON ANIMAL TESTING. CONTACT WITH EYES MAY CAUSE IRRITATION AND BURNING.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE NONE KNOWN,

BESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROWSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: INHALATION - DIZZINESS, DROWSINESS, OR NAUSEA.

EYE CONTACT - MAY CAUSE BURNING AND IRRITATION.

SKIN CONTACT - MAY CAUSE IRRITATION OR DERMATITIS.

CHRONIC: NONE KNOWN.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

EYE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

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MATERIAL SAFETY DATA SHEET

PAGE 3 OF

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP, WASH AREA THOROUGHLY.

SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE DISPOSAL METHOD DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING STORE IN CLOSED CONTAINERS IN A COOL, WELL YENTILATED AREA.

OTHER PRECAUTIONS
KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME.
DO NOT FLAME-CUT OR WELD DRUMS.
DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

RESPIRATORY PROTECTION NOT NECESSARY IN NORMAL HANGLING.

LOCAL EXHAUST.

PROTECTIVE GLOVES RUBBER GLOVES RECONNENDED.

EYE PROTECTION

WEAR GOGGLES OR EQUIVALENT EYE PROTECTION WHEN CONTACT WITH EYES IS POSSIBLE.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT NORMAL WORK CLOTHES TO PREVENT CONTACT WITH MATERIALS.

WORK/HYGIENIC PRACTICES
EYE WASH IN THE WORK PLACE IS RECOMMENDED.

DISCLAIMER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY SICPA TO BE ACCURATE. NO GUARANTEE IS IMPLIED OR EXPRESSED REGARDING THE ACCURACY OF THIS INFORMATION, NOR DOES SICPA ASSUME ANY LEGAL RESPONSIBILITY FOR RELIANCE ON OR USE OF THIS INFORMATION. USERS ARE RESPONSIBLE FOR CONDUCTING THEIR OWN TESTS.



Material Safety Data Sheet-Page 1 of 3 Bureau Of Engraving And Printing

Black Ink BK-3989-215-Non Mag

Date 7 / 97

Section I - Chemical Product And Company Identification

Product: Black Ink BK-3989-215-Non Mag

Manufacturer: Bureau Of Engraving And Printing

9000 Blue Mound Road Ft. Worth, TX. 76131

Prepared By: Office Of Human Resources-Safety and Occ. Health Division

(202) 874-3593

Date Prepared: 5/97

Hazard Ratings: Health - 1 (slight)

Flammability - 1 (slight) Reactivity - 0 (Minimal)

APPROVED FOR USE BY THE

SAFETY & HEALTH OFFICE MSDS #: __

DATE REVIEWED:

REVIEWED BY

Section II - Composition/Ingredient Information

Component Name with Hazardous chemical,	% Component	% Hazardous Chemical	Occupational Exposure
Percent, CAS #	in Ink	īn ink	Limits
1. Raven 410	< 7 %	·	
a. Carbon Black (100%) CAS # 1333-86-4		< 7 %	3.5 mg/m³ PEL-TWA 3.5 mg/m³ TLV-TWA
2. Low Viscosity Alkyd	< 4 %		
		< 4 %	N/A
I-601 Aqua Wipe Varnish Diethylens Glycol Mono Ethyl Ether (2%)	< 30 %	< 1 %	30 ppm (SICPA)
CAS # 111-90-0			· · · · · · · · · · · · · · · · · · ·
4. Cobalt 5.6% Drier		-	
a. Cobalt Tallate (8.5% as Co) CAS 3 61789-52-4	< 2 %		
		< 1 %	0.05 mg/m² PEL-TWA
 6% Manganese Lin-All Orler Manganese Tallate (6% as Mn 	< 2 %	;	0.05 mg/m² TLV-TWA
CAS # 3030-70-4	''	< 1 %	5 mg/m² PEL-Cailing 5 mg/m² TLV-Cailing
b. Heavy Distillates (2%) CAS = 88478-34-3		<1%	5 mg/m³ TLV-TWA 10 mg/m³ TLV-STEL
ē. CC-5029D	< 5%	< 5%	N/A .
7. · G-3300 Surfactant (alkyl aryl sulfonate, amine sait)	< 2 %	< 2%	N/A
3. 4507 Alkyd	< 5%	< 5%	Nia
3. Plate Cil U	< 15%	< 15%	N/A
0. Calcium Carbonate	< 45 %		
CAS # 471-74-1		< 45 %	S mg/m3 PEL-TWA (Resp) 15 mg/m3 PSL-TWA

10 mg/m3 TEV-TWA (Total)

Material Safety Data Sheet-Page 2 of 3

Bureau Of Engraving And Printing Black Ink BK-3989-215-Non Mag Identity:

Date 7 / 97

Section III - Health Hazard Data

Routes of Entry: Inhalation? Yes. Skinleye? Yes. Ingestion? Yes.

Health Hazards: Skin contact may cause imitation or demnatitis.

Eye contact may cause tearing, burning or imtation.

Excessive inhalation of vapors or mists may cause local irritation, headache, dizziness,

drowsiness, nausea, giddiness, pneumonia, central nervous system decression.

Ingestion may cause vomiting.

Carcinogenicity:

IARC Monographs? N/E

OSHA Regulated? N/E

Inhalation: Remove to fresh air, if breathing is difficult, get medical attention.

Signs & Symptoms of Exposure: Skinleye imitation, headache, drowsiness, dizziness, nausea, central nervous system depression, giddiness.

Medical Conditions Generally Aggravated by Exposure: Pre-existing eye and skin disorders.

Emergency & First Aid Procedures:

Eyes: Flush with water for 15 minutes; if irritation develops, get medical attention.

Skin: Wash with soap and water, if imitation develops, get medical attention.

Section IV - Fire and Explosion Hazard Data

Flash Point

Lower Flammable Limit

ΝΈ

Upper Flammable Limit

ΝE Foam, CO₂, dry chemical

Extinguishing Media: Special Fire Fighting Procedure: Use self-contained breathing apparatus to protect against potentially

hammui and/or imitating fumes.

Unusual Fire & Explosion Hazards: Protect drums from exposure to extreme heat.

N/E - Not Established

Section V - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Collect into suitable container for appropriate disposal. Use nitrile gloves and apron to avoid skin contact.

Waste Disposal Method: Dispose of in accordance with applicable federal and local environmental control regulations.

Precautions to Be Taken in Handling and Storing: Use nitrile gloves and apron to avoid skin contact. Keep container covered when not in use. Avoid high temperature and direct sunlight.

Other Precautions: None.

Section VI - Control Measures

Ventilation: Use adequate ventilation to avoid build-up of vapors/mists.

Respiratory Protection: Previous air sampling indicates that ventilation is adequate in maintaining employee exposure to Ink components below dermissible exposure limits. If necessary for comfort curposes, use air-curriying respirator equipped with organic-vapor carmidges.

Protective Gloves: Nitrile gloves,

Eye protection: Goggles, safety glasses, full-face snields

Other Protective Clothing or Equipment, Disposable lab coats, aprons, long sleeves, coveraits.

Material Safety Data Sheet- Page 3 of 3 Bureau Of Engraving And Printing

Black Ink BK-3989-215-Non Mag Identity:

Date 7 / 97

WorwHygienic Practices: Avoid skin/eye contact and contamination of clothing. Wash hands thoroughly with soap and water after handling ink and before leaving work area. Launder contaminated clothing before reuse. Do not eat, drink, or smoke in work area.

Section VII - Physical/Chemical Characteristics

Boiling Point N/E Vapor Pressure: N/E Solubility in water. N/E

Physical State/Odor: Black paste/

hydrocarbon edor.

% volatile by volume: N/E N/E - Not Established

Specific Gravity:. N/E Vapor Density: N/E pH: N/E

Evaporation Rate: N/E

Melting Point: N/E

Section VIII - Reactivity Data

Stability: Stable.

Conditions to Avoid: Extreme heat, high pressure.

Incompatibility (Materials to Avoid): Strong oxidizing and reducing chemicals.

Hazardous Decomposition Byproducts: CO2, CO

Hazardous Polymerization: Will not occur

END OF MSDS

MATERIAL SAFETY DATA SHEET 251040F 0Î-13-1998

Page: 1

PRODUCT NAME: 1-347 TYPOGRAPHIC COPE GREEN

PRODUCT CODE: 251040F

HMIS CODES: H F R P

1 1 0 B

MANUFACTURER'S NAME: SICPA Securink Corporation

addres's

: 8000 RESEARCH WAY

SPRINGFIELD, VA 22153

EMERGENCY PHONE : (703) 455-8050

INFORMATION PHONE : (703) 455-8050 NAME OF PREPARER : TOM CLASSICK/bdr

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =======

REPORTABLE COMPONENTS

VAPOR PRESSURE

VEIGHT

CAS NUMBER

nm Hg 8 TEMP

PERCENT

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

OILING RANGE: >300 deg F

OILING RANGE: >300 deg F SPECIFIC GRAVITY (H2O=1): 1.31 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: SPARINGLY SOLUBLE

APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR

FLASH POINT: >200 deg F

METHOD USED: CC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE KNOWN

STABILITY: STABLE CONDITIONS TO AVOID

IGNITION SOURCES .

NCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MATERIAL SAFETY DATA SHEET 251040F

DATE PRINTED: 01-13-1998

Page:

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

THIS PRODUCT CONTAINS A HYDROCARBON COMPOUND. UNDER NORMAL INDUSTRIAL USE, GENERATION OF MINERAL OIL MISTS IS NOT ANTICIPATED. HOWEVER, IF OIL MISTS ARE GENERATED DUE TO THE MECHANICAL OPERATION OF MOVING PRESS PARTS OR OTHER SOURCES, INHALATION OF MINERAL OIL MISTS MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN - THIS MATERIAL IS CONSIDERED ESSENTIALLY MONIRRITATING. HOWEVER, FREQUENT OR PROLONGED SKIN CONTACT MAY CAUSE REDNESS, RASH, OR DERMATITIS IN SOME HYPERSENSITIVE INDIVIDUALS.

EYE - THIS MATERIAL IS EXPECTED TO BE MINIMALLY IRRITATING. HOWEVER, TESTING OF SIMILAR PRODUCTS HAS BEEN SHOWN TO CAUSE EYE IRRITATION WHEN MATERIAL IS IN CONTACT WITH THE EYE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROUSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED.

ACUTE HEALTH HAZARDS

TYE CONTACT - THIS MATERIAL IS EXPECTED TO BE MINIMALLY IRRITATING. HOWEVER, SIMILAR PRODUCTS HAVE CAUSED EYE IRRITATION IN LABORATORY ANIMALS.

SKIN CONTACT - NONE EXPECTED. HOWEVER, PROLONGED CONTACT MAY LEAD TO IRRITATION OR DERMATITIS.

INHALATION - NOME EXPECTED. HOWEVER, HIGH CONCENTRATIONS OF MISTS OR VAPORS MAY CAUSE DIZZINESS, DROWSINESS, OR NAUSEA. THE OSHA PEL AND THE ACGIN TLV FOR "OIL MIST, MINERAL" IS 5 mg/m3 TWA 8-HOUR.

CHRONIC HEALTH HAZARDS

NONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE DERMAINIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

EYE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 Min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

====== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP, WASH AREA THOROUGHLY.

INK SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

MATERIAL SAFETY DATA SHEET 251040F

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Page:

3

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS

KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME. DO NOT FLAME-CUT OR WELD DRUMS.

DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

RESPIRATORY PROTECTION

NOT NECESSARY IN NORMAL HANDLING.

VENTILATION

RECOMMEND LOCAL EXHAUST.

PROTECTIVE GLOVES

CHEMICAL RESISTANT GLOVES (e.g., NITRILE RUBBER) RECOMMENDED.

EYE PROTECTION

GOGGLES RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL WORK CLOTHES TO PREVENT CONTACT WITH MATERIALS.

JORK/HYGIENIC PRACTICES

EYE WASH IN THE WORK PLACE IS RECOMMENDED.

SECTION IX - DISCLAIMER ------

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY SICPA TO BE ACCURATE. NO GUARANTEE IS IMPLIED OR EXPRESSED REGARDING THE ACCURACY OF THIS INFORMATION, NOR DOES SICPA ASSUME ANY LEGAL RESPONSIBILITY FOR RELIANCE ON OR USE OF THIS INFORMATION. USERS ARE RESPONSIBLE FOR CONDUCTING THEIR OWN TESTS.

MATERIAL SAFETY DATA SHEET

Bureau of Engraving and Printing

IDENTITY	INK FORMULA BK-6002-N, Black COPE Ink
Section I	Manufactured by: Bureau of Engraving & Printing 14th & C Sts, S.W. Washington, D.C. 20228
	Prepared by: Paul T. Chien, Ph.D., CIH (202)447-1422 Date: 1/91

Section II - Hazardous Ingredients/Identity Information

Blanc Fixe	17.6%	ABBBar
Alkyd Resin Varnish	17.1%	APPROVED FOR USE BY
Carbon Black	15.9%	" STOR DEALING OFFICE
Iron Blue, Green tone	15.9%	111909 #.
#5 Pale Varnish	14.6%	DATE REVIEWED.
Lead Manganese Drier*	7.0%	MEVIEWED BY:
Cobalt Resinate/Drier	5.7%	DI.
Aluminum Hydrate	5.4%	·
*Contains 12% lead tallate,	an inorganic	lead compound.

Estimated Threshold Limit Value -- 10mg/m3

Section III - Physical/Chemical Characteristics

Boiling Pt.: N/A Sp. Grav.: >1.0 Vap. Pres.: <1.0 Melt. Pt.: N/A

Vap. Den.: >1.0

Evap. Rate: <1.0 (Butyl acetate = 1)

Solubility in water: NO

Appearance and Odor: Black paste, hydrocarbon odor

Section IV - Fire and Explosion Hazard Data

Flash Pt.: >104 F Flam. Limits: N/A
Extinguishing Media: Foam, CO₂, dry chemical
Special Fire Fighting Procedure: Use self-contained
breathing apparatus to protect against harmful and/or
irritating fumes.

Unusual Fire & Explosion Hazards: Protect drums from pressure build-up and possible rupture if exposed to extreme heat.

Section V - Reactivity Data

Stability: Stable.

Conditions to Avoid: Extreme heat, high pressure

Incompatibility (Materials to Avoid): Strong oxidizers and reducing chemicals.

Hazardous Decomposition Byproducts: CO2, CO

Hazardous Polymerization: N/A

Section VI - Health Hazard Data

Routes of Entry: Inhalation? Yes. Skin? Yes. Ingestion? Yes.

Health Hazards (Acute and Chronic): Skin and eye contact may cause irritation and sensitization. Excessive inhalation of vapors or mists may cause local irritation, pneumonia, central nervous system depression.

TOTIOMINGOUSH OV O

Carcinogenicity: NTP? No. IARC Monographs? No. OSHA Regulated? No.

Signs & Symptoms of Exposure: Skin/eye irritation, headache, nausea, pneumonia, central nervous system depression.

Medical Conditions Generally Aggravated by Exposure: Skin diseases.

Emergency & First Aid Procedures:

Eyes: Flush with water for 15 minutes; if irritation develops, get medical attention.

Skin: Wash with soap and water; if irritation develops, get medical attention.

Inhalation: Remove to fresh air; If breathing is difficult get medical attention.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Collect into suitable container for appropriate disposal. Use gloves and apron to avoid skin contact.

Waste Disposal Method: Landfill or otherwise dispose of in accordance with applicable Federal and Local environmental control regulations.

Precautions to Be Taken in Handling and Storing:

Use gloves and apron to avoid skin contact. Keep container covered when not in use. Avoid high temperature and direct sunlight.

Other Precautions: None.

Section VIII - Control Measures

Respiratory Protection (Specify Type): Avoid prolonged inhalation of vapors by using approved respirators that are equipped with organic-vapor cartridges.

Ventilation: Use adequate ventilation to avoid build-up of vapors/mists.

Protective Gloves: Any kind of synthetic disposable gloves. Eye protection: Goggles, full-face shields, masks. Other Protective Clothing or Equipment: Disposable lab coats, aprons, Long sleeves, coveralls.

Work/Hygienic Practices: Avoid skin/eye contact and contamination of clothing. Wash hands thoroughly with soap and water before leaving work area. Launder contaminated clothing before reuse. No eating, drinking or smoking in work area.



APPROVED FOR USE BY THE MSDS 赴 DATE REVIEW Y DATA SHEET

MSDS NUMBER

0.4.1.00.00.000.000.000.000.000	97368 (4-85)		7,000 TAGE
24 HOUR EMERGENCY A	ASSISTANCE	GENERAL MSDS ASSIST	ANCE
SHELL: 713-473-9461 C	HEMTREC: 800-424-9300	SHELL: 713-241-48	19 BE SAFE READ OUR PRODUCT
ACUTE HEALTH • FIRE 2	O HAZARD RATING	HIGH - 3 EXTREME - 4	SAFETY INFORMATIONAND PASS IT ON
*For acule and o	chronic health effects refer to th	e discussion in Section III	PRODUCT LABERITE LAW ACQUIRES IT)

SECTION I	NAME
	SHELL SOL 142 HT
CHEMICAL NAME	SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC
CHEMICAL FAMILY	HYDROCARBON, SOLVENT
SHELL CODE	84044
SECTION II-	A PRODUCT/INGREDIENT

NO. COMPOSITION

CAS NUMBER PERCENT

SHELL SOL 142 HT*

64742-88-7

*A COMPLEX COMBINATION OF PREDOMINANTLY C9-C12 HYDROCARBONS; EXACT COMPOSITION WILL VARY.

HMIS HAZARD RATING: HEALTH 1 FIRE 2 REACTIVITY O

SECTION II-B ACUTE TOXICITY DATA

NO. ACUTE ORAL LD50

ACUTE DERMAL LD50

ACUTE INHALATION LC50

>25 ML/KG (RAT)

>4 ML/KG (RABBIT)

>700 PPM/4H (RAT)

**BASED ON EITHER PRODUCT OR ESSENTIALLY SIMILAR PRODUCT TESTING.

SECTION III HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT

LIQUID IS PRACTICALLY NONIRRITATING TO THE EYES.

SKIN CONTACT

LIQUID IS SLIGHTLY IRRITATING TO THE SKIN. PRLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY RESULT IN CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.

INGESTION

INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

PRODUCT NAME: SHELL SOL 142 HT

MSDS 7,653-1 T PAGE

SIGNS AND SYMPTOMS

NS AND SYMPTUMS TATION AS NOTED ABOVE. EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS. CHE, DIZZINESS AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION MONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS (BLUISH SKIN): IN SEVERE CASES DEATH MAY OCCUR.

AGGRAVATED MEDICAL CONDITIONS

PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTION IV COCCUPATIONAL	EXPOSURE L	.IMITS			
OSHA NO. PEL/TWA PEL/CEILING		ACGIH	/CTEI	OTHER	
	100 PPM		**		
*RECOMMEND THAT LIMITS FOR STODDARD SOLVENT					
SECTION V EMERGENCY AN	D FIRST AID	PROCEDURES			
EYE CONTACT FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUT SKIN CONTACT REMOVE CONTAMINATED CLOTHING/SHOES. FLUSH SI IF IRRITATION OCCURS, GET MEDICAL ATTENTION INHALATION REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IRATION IF NOT BREATHING. STION DO NOT INDUCE VOMITING. IF VOMITING OCCURS ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL STRATES ASPIRATION OF LIQUID INTO THE LUNGS.	ES WHILE HO KIN WITH WA DO NOT R N IF BREATH SPONTANEOUS	TER. FOLLO EUSE CLOTHI ING IS DIFF	DS OPEN. GET W BY WASHING N NG UNTIL CLEAN ICULT. GIVE	WITH SOAP AND NED.	
NOTE TO PHYSICIAN *IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD AS LOSS OF GAG REFLEX. CONVULSIONS OR UNCONSI CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED	D BELOW HIP CIOUSNESS O	S TO PREVEN	T ASPIRATION.	IF SYMPTOMS	SUCH

MALE RATS EXPOSED FOR 90 DAYS BY INHALATION TO VAPORS OF SIMILAR SOLVENTS SHOWED EVIDENCE OF KIDNEY DAMAGE. THE RELEVANCE OF THIS EFFECT TO MAN IS UNKNOWN. IN ONE OF THE STUDIES A LOW GRADE ANEMIA WAS ALSO OBSERVED.

SUPPLEMENTAL HEALTH INFORMATION

ON VII PHYSICAL DATA

SECTION VI

PRODUCT NAME: SHELL SOL 142 HT

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MELTING POINT: NOT AVAILABLE

(DEG F)

SOLUBILITY: (IN WATER)

NEGLIGIBLE

VAPOR DENSITY: 5.3

(AIR=1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): 0.03

APPEARANCE AND ODOR:

LIGHT COLORED LIQUID. HYDROCARBON ODOR.

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:

145 DEG F (TCC)

FLAMMABLE LIMITS /% VOLUME IN AIR

LOWER: 1 , UPPER: 7

EXTINGUISHING MEDIA

USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

CAUTION. COMBUSTIBLE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

SECTION IX

REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID:

AVOID HEAT, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL-RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT. TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS INDICATE THE*

ADDITIONAL PROTECTIVE MEASURES

*BEST PROTECTION IS PROVIDED BY NITRILE MATERIAL. USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA THEN LAUNDER BEFORE REUSING.

TON XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

CAUTION. COMBUSTIBLE. *** LARGE SPILLS *** ELIMINATE POTENTIAL SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTION AS ABOVE. *** SMALL SPILLS *** TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

SECTION XII

SPECIAL PRECAUTIONS

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS AND FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE: FLASH-FIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR CONTAINERS. DO NOT PRESSURIZE DRUM CONTAINERS TO EMPTY THEM.

STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS AND EQUIPMENT.

WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA BEFORE LAUNDERING.

ON XIII

TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:

COMBUSTIBLE LIQUID, III

D.O.T. PROPER SHIPPING NAME:

PETROLEUM DISTILLATES, N.O.S. (PETROLEUM NAPHTHA)

OTHER REQUIREMENTS:

UN1268, GUIDE 27. NOT REGULATED BY D.O.T. IF IN A CONTAINER OF 119 GALLON CAPACITY OR LESS.

SECTION XIV

OTHER REGULATORY CONTROLS

THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313. THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION XV

STATE REGULATORY INFORMATION

PRODUCT NAME: SHELL SQL 142 HT

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BASED ON INFORMATION AVAILABLE TO SHELL. THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE REGULATED BY A SPECIFIC STATE LIST.

SECTION XVI

SPECIAL NOTES

THIS MSDS REVISION HAS CHANGES IN SECTION XIII. A SPANISH TRANSLATION OF THIS MSDS MAY BE OBTAINED BY CALLING 1-800-240-MSDS.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JULY 20, 1994

BE SAFE

READ OUR PRODUCT
SAFETY INFORMATION ...AND PASS IT ON
(PRODUCT LIABILITY LAW
REQUIRES IT)

J. C. WILLETT

SHELL OIL COMPANY PRODUCT SAFETY AND COMPLIANCE P. O. BOX 4320 HOUSTON, TX 77210



ENVIRONMENTAL DATA SHEET

EDS NUMBER 7,653

PAGE 1

PRODUCT SHELL SO	L 142 HT				
PPODUCT					
CODE 84044					
	**=====================================	**			
SECTION I		JCT/COMPOSITI	ON		
_NO .	COMP			; CAS NUMBER	PERCENT
P SHELL SOL 142 H	HT*	<i>\$</i>		64742-88-7	100
*A COMPLEX COMBINAT	ION OF PREDOMINAN	FLY C9-C12 HY	DROCARBONS; E	EXACT COMPOSITION WILL	VARY.
SECTION II	SARA	TITLE III IN	FORMATION		
NO. EHS RQ (LBS) (*1)	EHS TPQ (LBS) (*2)	SEC 313 3 (*3)	(*4)	311/312((*5)	CATEGORIES
P				H-1, H-2,	
•					
		F00T	NOTES		
*1 = REPORTABLE QUAN *2 = THRESHOLD PLANN *3 = TOXIC CHEMICAL,	NING QUANTITY, EXT SEC 313	REMELY HAZAR	DOUS SUBSTANC	E, SEC 302	
*5 = HAZARD CATEGORY HEALTH H-1 = PHYSICAL P-3 =	? FOR SARA SEC. 31 : IMMEDIATE (ACUTE	1/312 REPORT	ING ARD H-2 =	E USED ON TOXIC RELEAS DELAYED (CHRONIC) HEAL SUDDEN RELEASE OF PRES	TH HAZARD
SECTION III		CONMENTAL REL	EASE INFORMAT	TION	·
UNDER EPA-CWA, THIS SURFACE WATERS THAT	PRODUCT IS CLASSI CAUSE A SHEEN MUS	FIED AS AN O	IL UNDER SECT D TO THE NATI	TION 311. SPILLS INTO ONAL RESPONSE CENTER,	OR LEADING TO 800-424-8802.
SECTION IV	RCRA	INFORMATION			
IF THIS PRODUCT BECO PLACE IN AN APPROPRI	MES A WASTE, IT W	OULD NOT BE	A HAZARDOUS W LIANCE WITH L	ASTE BY RCRA CRITERIA	(40 CFR 261).

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JULY 20, 1994

SHELL OIL COMPANY CORPORATE ENVIRONMENTAL AFFAIRS P. O. BOX 4320 HOUSTON, TX 77210

FOR ADDITIONAL INFORMATION ON THIS ENVIRONMENTAL DATA PLEASE CALL (713) 241-2252

FOR EMERGENCY ASSISTANCE PLEASE CALL

SHELL: (713) 473-9461 CHEMTREC: (800) 424-9300 MIC

05/08/90

NO.

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PHODUCT NAME

ISOPAR E

ISOMET

CHEMICAL NAME

Not Applicable: Blend

CAS 64742-48-9

Synthetic Isoparaffinic Hydrocarbon

PRODUCT APPEARANCE/DESCRIPTION

Clear colorless liquid.

RECEIVED JUL 1 8 1990

EMERGENCY TELEPHONE NUMBERS: EXXON CHEMICAL AMERICAS

713-870-6000

CHEMTREC

800-424-9300

SECTION 2 HAZARDOUS INGREDIENT INFORMATION

This product is hazardous as defined in 29 CFR1910.1200.

OSHA HAZARD Flammable

For additional information see Section 3.

SECTION 3 HEALTH INFORMATION & PROTECTION

NATURE OF HAZARD

EYE CONTACT:

Slightly irritating but does not injure eye tissue.

SKIN CONTACT:

Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.

INHALATION:

High vapor concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.

INGESTION:

Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

Minimal toxicity.

FIRST AID

EYE CONTACT:

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:

Flush with large amounts of water; use soap if available.

Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:

If swallowed, DO NOT induce vomiting, Keep at rest. Get prompt medical attention.

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPIETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE, WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION NOR DO WE OFFER WARRANTY AGAINST PATENT INFRINGEMENT.

NO.

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST.

WORKPLACE EXPOSURE LIMITS

EXXON RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS: 400 ppm total hydrocarbon based on composition.

PRECAUTIONS

PERSONAL PROTECTION

For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where contact may occur, wear safety glasses with side shields. Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, Use explosion-proof ventilation equipment.

CHRONIC EFFECTS

Laboratory animal studies have shown that prolonged and repeated inhalation exposure to light hydrocarbon vapors in the same naphtha boiling range as this product can produce adverse kidney effects in male rats. However, these effects were not observed in similar studies with female rats and male and female mice and in limited studies with other animal species. Additionally, in a number of human studies, there was no clinical evidence of such effects at normal occupational levels. It is therefore highly unlikely that the kidney effects observed in male rats have significant implications for humans exposed at or below recommended vapor limits in the workplace.

CHRONIC TOXICITY DATA IS AVAILABLE UPON REQUEST

SECTION 4 FIRE & EXPLOSION HAZARD

FLASHPOINT: 45 Deg F. METHOD: TCC

FLAMMABLE LIMITS: LEL: 0.6 UEL: 7.0 @ 77 Deg F.

AUTOIGNITION TEMPERATURE: 720 Deg F, NOTE: Approximate

GENERAL HAZARD

Flammable Liquid, can release vapors that form flammable mixtures at temperatures at or above the flashpoint.

Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge .

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

FIRE FIGHTING

Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors.

Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Avoid spraying water directly into storage containers due to danger of

· ZIXAX

IVIA I EDIAL VALLE I PATA VIEW

PAGE 3

CHEMICAL

05/08/90 ISOPAR E

NO.

boilover.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

No unusual

SECTION 5 SPILL CONTROL PROCEDURE

LAND SPILL

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 7) notify the National Response Center.

Trevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust.

Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 6 NOTES

No notes applicable.

SECTION 7 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

DOT PROPER SHIPPING NAME:

PETROLEUM NAPHTHA, Flammable Liquid, UN 1255

DOT HAZARD CLASS: Flammable Liquid DOT IDENTIFICATION NUMBER: UN 1255

NAME: Naphtha, petroleum

TSCA:

This product is listed on the TSCA Inventory at CAS Registry Number 64742-48-9

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

CHARLE . 10/85

IVIA IEMIAL DAFELY DATA SHEET

PAGE 4

05/08/90 ISOPAR E NO.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES SECTION 8

SPLCIFIC GRAVITY:

0.72 at 60

SOLUBILITY IN WATER, WT. % AT 'F:

Less Than 10.00

SP. GRAV. OF VAPOR, at 1 atm (Air=1): FREEZING/MELTING POINT. *F:

4.24

EVAPORATION RATE, n-Bu Acetate=1:

1.6

VAPOR PRESSURE, mmHg at 'F:

45 at 100

VISCOSITY OF LIQUID, CST AT 'F:

1 at 77

Less than 32

BOILING POINT, 'F:

235 to 290 Approximate

SECTION 9 REACTIVITY DATA

STABILITY:

Stable_

CONDITIONS TO AVOID INSTABILITY:

Not Applicable

HAZARDOUS POLYMERIZATION:

Will not occur

COND. TO AVOID HAZARDOUS POLYMERIZATION:

Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

STORAGE AND HANDLING SECTION 10

ELECTROSTATIC ACCUMULATION HAZARD:

Yes, use proper grounding procedure STORAGE TEMPERATURE.

ient

A unospheric

AGE/TRANSPORT PRESSURE, mmHg:

LOADING/UNLOADING TEMPERATURE, 'F:

Ambient

VISC. AT LOADING/UNLOADING TEMP., cST:

REVISION SUMMARY:

Since FEBRUARY 7,1990 this MSDS has been revised in Section(s):

RENCE NUMBER: HDHA-C-25040

DATE PREPARED: May 8,1990

SUPERCEDES ISSUE DATE:

February 7,1990

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES REPRESENTATIVE

FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 713-870-6885

EXAXIZ .



Material Safety Data Sheet

SAFETY-KLEEN PREMIUM SOLVENT

loed in Waste Treatment Parts washer

Part Number: 6605

SAFETY-KLEEN PREMIUM SOLVENT MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 1 - PRODUCT AND PREPARATION INFORMATION

PRODUCT INFORMATION

IDENTITY (TRADE NAME):

SAFETY-KLEEN PREMIUM SOLVENT

SYNONYMS:

Parts Washer Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha, Solvent;

Stoddard Solvent; Mineral Spirits

SK PART NUMBER(S):

6605

FAMILY/CHEMICAL NAME:

Petroleum hydrocarbon

PRODUCT USE:

Cleaning and degreasing metal parts.

If this product is used in combination with other chemicals, refer to the Material

Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONE

MEDICAL:

TRANSPORTATION:

These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.

1-800-752-7869 (U.S.A.)

1-708-888-4660 (U.S.A.) SAFETY-KLEEN ENVIRONMENT,

1-312-942-5969 (CANADA)

HEALTH AND SAFETY DEPARTMENT

RUSH POISON CONTROL CENTER CHICAGO, ILLINOIS, U.S.A.

1-613-996-6666 (CANADA) CANUTEC

MANUFACTURER/SUPPLIER:

Safety-Kleen Corp. - 1000 North Randall Road - Elgin, IL, U.S.A. 60123-7857

Telephone number: 1-800-669-5840

Safety-Kleen Canada Inc. - 300 Woolwich Street South - Breslau, ON, Canada NOB 1M0

Telephone number: 1-800-265-2792

PREPARATION INFORMATION

MSDS FORM NO.: 82529

REVISION DATE: February 2, 1994

ORIGINAL ISSUE DATE: January 7, 1993

SUPERSEDES: February 11, 1993

PREPARED BY: Product MSDS Coordinator

APPROVED BY: **MSDS Task Force**

TELEPHONE NUMBER:

For Product Technical Information Call 1-312-694-2700 (U.S.A.);

1-519-648-2291 (Canada)

SECTION 2 - HAZARDOUS COMPONENTS

				OSHA PEL		ACG	ACGIH TLV		<u>DATA</u>
NAME	SYNONYM	CAS NO.	<u>WT%</u>	TWA	STEL	TWA	STEL	<u>LD</u> a	rcp
Distillates (petro- leum) hydrotreated light	Solvent naphtha (petroleum), heavy aliph., hydrotreated	64742-47-8 ^e ,f	100	500 ^{c,d} ppm	N.Av.	100 ^c ppm	N.Av.	>5000	>5500° mg/m ³ /4 hours

N.Av. = Not Available

aOral-Rat LD50 (mg/kg)

dReference source 1910.1000 29 CFR Ch. XVII (7-1-92 edition): 100 ppm TWA ^eFor Stoddard Solvent: 29500 mg/m³ (approximately 5000 ppm) IDLH

b Inhalation-Rat LC50

For Petroleum Distillates: 10000 ppm IDLH

^cFor Stoddard Solvent CAS 8052-41-3

SAFETY-KLEEN PREMIUM SOLVENT MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 5 -- FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE

GUIDE NUMBER:

Reference 1993 Emergency Response Guidebook (RSPA P 5800.6)

FIRE AND

EXPLOSION HAZARDS:

Decomposition and combustion products may be toxic. Heated containers may rupture, explode, or be thrown into the air. Vapors are heavier than air and may travel great distances to ignition source and flash back. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion

hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

FIRE FIGHTING PROCEDURES:

Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will

provide limited protection.

EXTINGUISHING MEDIA:

Carbon dioxide, foam, dry chemical, or water spray.

CONDITIONS OF FLAMMABILITY:

Heat, sparks, or flame.

FLASH POINT:

150°F (66°C) (approximately) Tag Closed Cup

AUTOIGNITION TEMPERATURE:

440°F (227°C) (minimum)

FLAMMABLE LIMITS IN AIR:

LOWER: 1.0 Vol. %

UPPER: 9.3 Vol. %

HAZARDOUS COMBUSTION

PRODUCTS:

Burning may produce carbon monoxide.

SECTION 6 -- REACTIVITY DATA

STABILITY:

Stable under normal temperatures and pressures, and not reactive with

INCOMPATIBILITY (MATERIALS AND

CONDITIONS TO AVOID):

Avoid strong acids, bases, or oxidizing agents. Chlorine may cause a

violent reaction. Avoid heat, sparks, or flame.

HAZARDOUS POLYMERIZATION:

Not known to occur under normal temperatures and pressures.

HAZARDOUS DECOMPOSITION

PRODUCTS:

None under normal temperatures and pressures.

SECTION 7 - PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTIONS: Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. When transferring material, metal containers, including tank cars and trucks, should be grounded and bonded. Avoid contact with eyes, skin, clothing, or shoes. Use in well ventilated area and avoid breathing vapor or mist.

PERSONAL HYGIENE:

Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

SHIPPING AND STORING

Keep container tightly closed when not in use and during transport. Do not pressurize, drill, cut, heat, weld, braze, grind, or expose containers to flame or other sources of ignition. Empty PRECAUTIONS: product containers may contain product residue. See Section 9 for Packing Group information.

SAFETY-KLEEN PREMIUM SOLVENT MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

COEFFICIENT OF WATER/OIL

DISTRIBUTION:

less than 1

MOLECULAR WEIGHT:

155 to 180

SECTION 9 - OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:

COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA)

DOT CLASS:

Combustible Liquid

DOT ID NUMBER:

NA1993 PG III

TDG CLASSIFICATION:

Not regulated.

SARA TITLE III:

Product does not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and

40 CFR Part 372.

Product poses the following physical and health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the

Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard Delayed (Chronic) Health Hazard

Fire Hazard

WHMIS CLASSIFICATION:

B3, Flammable and Combustible Material, Combustible Liquids;

D2B, Poisonous and Infectious Material, Materials Causing Other Toxic Effects,

Toxic Material

TSCA:

All of the components for this product are listed on, or are exempted from the

requirement to be listed on, the TSCA Inventory.

CALIFORNIA:

This product is not for sale or use in the State of California.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.



Approved for use by the

Y DATA SHEET

MSDS NUMBER

7.653-1 T

PAGE 1

		97368 (4-85)			· · · · · · · · · · · · · · · · · · ·	.,	
24 HOUR EME	RGENCY	ASSISTANCE		GENERAL	MSDS AS:	SISTANCE	
SHELL: 713-4	73-9461 (CHEMTREC: 8	SHE	L: 713-241	BE SAFE READ OUR PRODUCT		
ACUTE HEALTH •	FIRE 2	REACTIVITY O	HAZARD RATING	LEAST - 0 HIGH - 3	SLIGHT - 1 EXTREME - 4	MODERATE - 2	SAFETY INFORMATION AND PASS IT ON PRODUCT LIABILITY LAW
*Fo	r acute and	chronic health e	ffects refer to the	e discussion	in Section III		REQUIRES IT]

SECTION I	NAME
PRODUCT SHELL SOL	142 HT
CHEMICAL SOLVENT NA	APHTHA (PETROLEUM), MEDIUM ALIPHATIC
CHEMICAL HYDROCARBO	ON , SOLVENT
SHELL 84044	
CECTION IT A	PRODUCT / TNGPEDTENT

SECTION II-A CAS NUMBER PERCENT COMPOSITION

NO.

64742-88-7 100 SHELL SOL 142 HT*

*A COMPLEX COMBINATION OF PREDOMINANTLY C9-C12 HYDROCARBONS; EXACT COMPOSITION WILL VARY.

HMIS HAZARD RATING: HEALTH 1 FIRE 2 REACTIVITY O

ACUTE TOXICITY DATA

SECTION II-B ACUTE INHALATION LC50

ACUTE DERMAL LD50 NO. ACUTE ORAL LD50

>700 PPM/4H (RAT) >4 ML/KG (RABBIT) >25 ML/KG (RAT)

**BASED ON EITHER PRODUCT OR ESSENTIALLY SIMILAR PRODUCT TESTING.

HEALTH INFORMATION SECTION III

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

LIQUID IS PRACTICALLY NONIRRITATING TO THE EYES.

SKIN CONTACT LIQUID IS SLIGHTLY IRRITATING TO THE SKIN. PRLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY RESULT IN CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.

INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

PRODUCT NAME: SHELL SOL 142 HT MSDS 7,653-1 T PAGE 2

SIGNS AND SYMPTOMS

TATION AS NOTED ABOVE. EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, ACHE, DIZZINESS AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION MONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY OCCUR.

AGGRAVATED MEDICAL CONDITIONS

PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTIO	N IV	IV OCCUPATIONAL EXPOSURE LIMITS								
	OCI	I A		ACGIH	OTHER					
		PEL/CEILING	100 PPM							
	100 PPM	S FOR STODDARD SOLVE		A GUIDE:						
SECTIO)N V	EMERGENCY	AND FIRST AI	D PROCEDURES						
EVE CO	NTACT									
DEMOVE	CONTACT CONTAMINATED C RITATION OCCURS	CLOTHING/SHOES. FLUS , GET MEDICAL ATTENT	H SKIN WITH W ION. DO NOT	ATER. FOLLOW BY W REUSE CLOTHING UNT	WASHING WITH SOAP AND WATER. TIL CLEANED.					
	K TION VICTIM TO FRES ATION IF NOT BE	SH AIR AND PROVIDE OX REATHING.	YGEN IF BREAT	HING IS DIFFICULT.	GIVE ARTIFICIAL					
רמע ממ	TION INDUCE VOMITIN TION OF LIQUID	NG. IF VOMITING OCCU INTO THE LUNGS. GET	RS SPONTANEOU MEDICAL ATTE	SLY, KEEP HEAD BEL NTION.*	OW HIPS TO PREVENT					
*IF MO INDUCE AS LOS	D WITH SUPERVIS	TON REED VICTIM'S	HEAD BELOW HI ONSCIOUSNESS	PS TO PREVENT ASPI	RRED, EMESIS SHOULD BE RATION. IF SYMPTOMS SUCH IS, GASTRIC LAVAGE USING A					
			TAL HEALTH IN							

ON VII PHYSICAL DATA

DAMAGE. THE RELEVANCE OF THIS EFFECT TO MAN IS UNKNOWN. IN ONE OF THE STUDIES A LOW GRADE ANEMIA WAS ALSO OBSERVED.

PRODUCT NAME: SHELL SOL 142 HT

MSDS 7,653-1 T PAGE

MELTING POINT: NOT AVAILABLE

SOLUBILITY: (IN WATER)

NEGLIGIBLE

VAPOR DENSITY: 5.3

(AIR=1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): 0.03

APPEARANCE AND ODOR:

LIGHT COLORED LIQUID. HYDROCARBON ODOR.

(DEG F)

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:

145 DEG F (TCC)

FLAMMABLE LIMITS /% VOLUME IN AIR

LOWER: 1 , UPPER: 7

EXTINGUISHING MEDIA

USE WATER FOG, FDAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

CAUTION. COMBUSTIBLE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

SECTION IX

REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID:

AVOID HEAT, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL-RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT. TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS

ADDITIONAL PROTECTIVE MEASURES

*BEST PROTECTION IS PROVIDED BY NITRILE MATERIAL. USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA THEN LAUNDER BEFORE REUSING.

PRODUCT NAME: SHELL SOL 142 HT

YON XI

______ ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES CAUTION. COMBUSTIBLE. *** LARGE SPILLS *** ELIMINATE POTENTIAL SOURCES OF IGNITION. APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTION AS ABOVE. *** SMALL SPILLS *** TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

SECTION XII

SPECIAL PRECAUTIONS

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS AND FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE; FLASH-FIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR CONTAINERS. DO NOT PRESSURIZE DRUM CONTAINERS TO EMPTY THEM.

STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS AND EQUIPMENT.

WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA BEFORE LAUNDERING.

ON XIII TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: COMBUSTIBLE LIQUID, III

D.O.T. PROPER SHIPPING NAME:

PETROLEUM DISTILLATES, N.O.S. (PETROLEUM NAPHTHA)

OTHER REQUIREMENTS:

UN1268, GUIDE 27. NOT REGULATED BY D.O.T. IF IN A CONTAINER OF 119 GALLON CAPACITY OR LESS.

SECTION XIV

OTHER REGULATORY CONTROLS

THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II DZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION XV

STATE REGULATORY INFORMATION

PRODUCT NAME: SHELL SOL 142 HT

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BASED ON INFORMATION AVAILABLE TO SHELL, THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE REGULATED BY A SPECIFIC STATE LIST.

SECTION XVI

SPECIAL NOTES

THIS MSDS REVISION HAS CHANGES IN SECTION XIII. A SPANISH TRANSLATION OF THIS MSDS MAY BE OBTAINED BY CALLING 1-800-240-MSDS.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JULY 20, 1994

BE SAFE

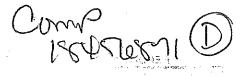
READ OUR PRODUCT
SAFETY INFORMATION ...AND PASS IT ON
(PRODUCT LIABILITY LAW
REQUIRES IT)

J. C. WILLETT

SHELL OIL COMPANY PRODUCT SAFETY AND COMPLIANCE P. O. BOX 4320 HOUSTON, TX 77210

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION P.O. Box 13087 P.O. Box 13087 Austin, Texas 78711-3087



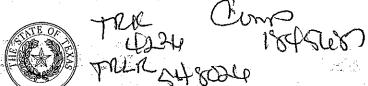


e print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30/95

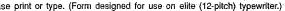
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	WASTE MANIFEST	T. X. 1. 2. 0. 0. 9	-3 9 ·6 ·2 ·6 7 °3		of <u>1</u>			d by Feder	al law.
	 Generator's Name and Mailing Address BUREAU OF ENGRAVING & PI 	INTING	ுகி க சாகர்த்தார் நார்க்		A. State Ma	aniiest Doci	A Spin of the work of the control of the	1316	17
	9000 BLUE MOUND ROAD				B. State Go	enerator's II	man du Americano de Caracteria	ULU	
	FORT WORTH, TX 76131 4. Generator's Phone (817) 847-	3946	in which they be	58.0					
ŀ	5. Transporter 1 Company Name	6.	US EPA ID Number	Tall 1	6. State Tr	ansporter's	ID :		
	TRI-STATE MOTOR TRANSIT (OMPANY M O	D. 0. 9. 5. 0. 3. 8		The state of the s	and the second s	THE PARTY OF THE PARTY OF THE PARTY.	234-876	8===8
	7. Transporter 2 Company Name	8.	US EPA ID Number	Kenta Protest	E. State Tr F. Transpo	market and a special containing a second of			
	Designated Facility Name and Site Address	\$\$ ^{0.0} **** 0	US EPA ID Number		G State Fa	wise linearists amounts of in Justice			
	LAIDLAW ENVIRONMENTAL SE	RVICES, INC.	erakera i Akerto eta k						
	3536 FITE ROAD	$(-1)^{2} A_{\alpha} = (-1)^{2} A_{\alpha} = (-1)^{2} A_{\alpha}$			H. Facility's	Charles and the second			7
	MILLINGTON, TN 38053	"""	D · O · O · O · 6 · 1 · 4)1/358 13.	5695 14.		
	11A. 11. US DOT Description (including I Number)	roper Shipping Name,	and the second of the second	12. Contain No.	T	Total Quantity	Unit Wt/Vol	Waste I	No.
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### ATURAL RESOURCE ERVATION COMMISSION Box 13087



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### ATURAL RESOURCE ERVATION COMMISSION Box 13087 distin, Texas 78711-3087





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	9000 BLUE MOUND ROAD	NIING	01131622
		946 - 15. (1949) 34. (1930) 36. (1930) 4. (1930) 4. (1930) 4. (1930) 4. (1930)	B. State Generator's ID
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	5. Transporter 1 Company Name		C; State Transporter's ID
37.6	TRI-STATE MOTOR TRANSIT ( 7. Transporter 2 Company Name	OMPANY M. O. D. O. 9. 5. O. 3. 8. 9. 9. 8  8. US EPA ID Number.	D. Transporter's Phone 800–234–8768  E. State Transporter's ID
	7. Transporter 2 Company Name		F. Transporter's Phone
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### VATURAL RESOURCE ERVATION COMMISSION Box 13087 ustin, Texas 78711-3087



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	9000 BLUE MOUND ROAD FORT WORTH, TX 76131	3. State Generator's ID	TTOTOCL
	4. Generator's Phone ( 817 ) 847–3946  5. Transporter 1 Company Name  6. TeUS EPA ID Number	3890 State Transporter's ID	7
Ш	TRI-STATE MOTOR TRANSIT COMPANY M. O. D. O. 9. 5. 0. 3. 8. 9. 9. 8	) Transporter's Phone S	100 224 9760
		State Transporter's ID	100-254-6706
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475 727 755	b) M626BL012 CAUSTIC CLEANER c) M626BL012 CAUSTIC CLEANER		
ľ	15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY # 800-535	MD HOTE	
	24-min. Emergency # 800-535	5-5053 TRUCK # TPO #	DE500 84898
-	GUIDE # a) 171 b) 154 c) 154 d) 171	• - •	84899
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway.	described above by proper st	nipping name and are.
	government regulations, including applicable state requisitions.		1
9	If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently the treatment, storage, or disposal currently the treatment.		
	future threat to human health and the environment, OR, it I am a small quantity generator, I have made a good faith the best waste management method that is available to me and that I can afford.	effort to minimize my waste	generation and select
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	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest exc	ept as noted in Item 19.	
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### TEXAS NATURAL RESOURCE CONSERVATION COMMISSION



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1	3. Generator's Name and Mailing Address	the state of the second	A. State Manifest Document Number
	BUREAU OF ENGRAVING & PR	INTING	01131619
	9000 BLUE MOUND ROAD FORT WORTH, TX 76131	and the control of th	B, State Generator's ID 38907
	4. Generator's Phone ( 817 ) 847-3	946	C. State Transporter's ID
	5. Transporter 1 Company Name TRI-STATE MOTOR TRANSIT C	6: US EPA ID Number 4: 6  OMPANY M. O. D. O. 9. 5. O. 3. 8. 9. 9. 8	
╢	7. Transporter 2 Company Name		E. State Transporter's ID
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	MILLINGTON, TN 38053	T. N. D. O. O. O. 6. 1. 4. 3. 2. 1	H. Facility's Phone 901 / 358 = 5695
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φħ	b) M626IL101 MIXED SOLVE		
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	16. GENERATOR'S CERTIFICATION: I hereby of classified, packed, marked, and labeled, and	declare that the contents of this consignment are fully and accurated are in all respects in proper condition for transport by highw	ely described above by proper shipping name and are ay according to applicable international and national
V	economically practicable and that I have sele	cted the practicable method of treatment, storage, or disposal cur	rently available to me which minimizes the present and
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## TEXAS NATURAL RESOURCE CONSERVATION COM ISSION P.O. Box 13087 10 571-28015 TA HE RED SERVED FOR THE PROPERTY OF THE PROPERTY O

	.se)pı	rint or type. (Form designed for use on elite (12-p			Page 1	Form appro	oved OMB No. 2050	)-0039.
	<i>)</i> ਹੈ। 	UNIFORM HAZARDOUS DE WASTE MANIFEST	1-Generator's US EPA T X 1 2 0 0	ID No." (1) 10 10 10 10 10 10 10 10 10 10 10 10 10		2. Page 1 of 1	is not require	thể shaded areas đ by Federal law.
	3. (	Generator's Name and Mailing Address	ean of Engravit	na & Printina	um i ili ili ma	A:State Man	lest Document N G 1	umber: 514872
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j G	:s#O	X POTASSIUM HYDROXIDE)	QUIDS, NºO.S. (K086), 8, UNI	(CONTAINS) synsi 760, II nolla sauce	4 emgq/3 0.0%	v€ 03	300 P	K086 D002 D005
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		classified, packaged, marked, and labelled/p national government regulations, including ap If I am a large quantity generator, I certify tha	acarded, and are in all responding to a second responding to a second responding to the second r	pects in proper condition	ior transport	by nighway ac	to the decree I have	ie international and
M	сбуз	economically practicable and that I have selectiful threat to human health and the religious	ted the practicable method	of treatment, storage, or	disposal curr	ently available t	o me which minimi	zes, the present and
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16. GENERATOR'S CERTIFICATION: I hereby d	eclare that the contents of this consignment ar	e fully and accurated the second of the seco	ely described above by highway accord	ling to applicable	international and
national government regulations, including app	dicable state regulations.	THE DO NOT PLOT	aste generated to t	he degree I have	determined to be
economically practicable and that I have selectively in the property of human health and the environ	t I have a program in place to reduce the volunted the practicable method of treatment, stora ment, OR, It I am a small quantity generator, I wallable to me and that I can afford.	ge, or disposal curr rave made a good	rently available to m faith effort to minim	ie wnich minimize ize my waste ger	neration and select
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20. Facility Owner, Operator: Certification	of receipt of hazardous materials covered	t by this manifest	except as noted	in Item 19.	er og er og er skort som
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STATE OF ILLINOIS  ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAN P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276		6	111	HIPMEN'	T OF HAZARDOUS
State Form LPC 62 8/81	IL532-0610		AND S	PECIAL '	WASTE
PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22  UNIFORM HAZARDOUS 1. Generator's US EPA ID No.	(Rev. 6-89) Manifest	T			0-0039, Expires 9-30-96 e shaded areas is no
WASTE MANIFEST TX1200939626	Document No.		of 1 Illinois la	by Feder	al law, but is required b
Generator's Name and Mailing Address Location If Different Bureau of Engraving & Printing 9000 Blue Mound Road		I	inois Manifest Do 73 <u>1</u> 1		Number 8 FEE PAID 1F APPLICABLE
Fort Worth, TX 76131  4.*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBER 800-645-8265		B. III G	enerator's 🗘 🙏	$\Delta V$	$\Delta 1.000$
5 Transporter 1 Company Name US EPA ID Numb	рег Э > 1)	-	inois Transporter	- / // )	ansporter's Phone
7. Transporter 2 Company Name 8. US EPA ID Numb	per	E. III	inois Transporter	·	1, 4, 3,
Dart Trucking Company Inc. OHD009865825				06 Tr	ansporter's Phone
9. Designated Facility Name and Site Address 10. US EPA ID Numb  Clean Harbors Services Inc	oer	, IE	acility's ) ನನ	و اع ا	
11800 South Stony Island Ave Chicago, IL 60617 IL D 0 0 0 6 0	8471	1.0	acility's Phone : 73 )646-62(	9.2 T . D . A	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Cont		13.	14.	
	No.	Туре	Total Quantity	Unit Wt/Vol	
a RQ WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE (D008), 8, UN2794, III	002	DF	00400	P	EPA HW Number  X X Q Q Z  Authorization Number
b.	• •	╁			EPA HW Number
					XXI           Authorization Number
) C.			<del></del>		EPA HW Number  X X   1    Authorization Number
d.					EPA HW Number
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Additional Description for Materials Listed Above	and the property of the second Court		I I I I I I I I I I I I I I I I I I I	16/	
11a CH104835 D008 602.7309H		In	Item #14	Wasies	Listed Above
15. Special Handling Instructions and Additional Information				WO#	D9106188
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully proper shipping name and are classified, packed, marked, and labeled, and are in all respects in according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume a be economically practicable and that I have selected the practicable method of treatment, storage, and future threat to human health and the environment; OR, if I am a small quantity generator, I h select the best waste management method that is available to me and that I can afford.  Printed/Typed Name  Signature	reper condition and toxicity of v	n for tra vaste gr errently	nsport by highway enerated to the de available to me wi	gree I h	mizae tha nraeant
COLLEEN MCKINNEY Colleen  17. Transporter, Acknowledgement of Receipt of Materials	YY/ck	in	ney	i	04019
Printed/Typed Name  Printed/Typed Name  HANWW  Signature  Signature	120	w	m		Date  Month Day Yea
18. Transporter 2 Acknowledgement of Receipt of Materials	<del></del>				Date

Printed/Typed Name

Signature

Signature

Worth

Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

Signature

Month Day

Date

Year

or 202/426-2675.

9. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

FACI

### NAME OF WASTE STREAM

MATERIAL PROFILE NO.

ORGANIC DEBRIS #1

M626 DS057

☐ New ☐ Amendment	Segregation of the second		and the second s
ator Name Busine & Engrander Address Good Sluc Month	. 10 1	echnical Contact	ld cosut
ator Name Sucesa of Engra	evila FM. ntist	elephone (377 <u>847</u> -	3845EXT
requirty Address	- / F	ax( )	
9000 Blue Mot	ack /th.	Silling Name	5.
	<u> </u>	Billing Address C. G	. 3.
City/County Fort WORK	7/13/	•	
State	<u> </u>	•	State Zip Code
·		Attention	······································
State ID#		elephone ( )	EXT
B. DOT Shipping Name _HAZARDOUS_WASTE, SOLI	D. N.O.S.	D. ANNUAL REPORT	CODES E. OTHER COMPONENTS
		<del></del>	No Yes Total ppm
	azard Class 9		
UN/NA No. NA3077 Packing Group III	RQ	Source Code: A	
		Form Code: B	
C. RCRA RCRA Non Hazardous/Exempt? ☐ Yes ©	No Process Generating:		
SPILL CLEAN UP	A 1	System Type: M	
State Waste Codes: EPA Waste	Codes: <u>D004 D005 D006</u>	<u>D007</u>	
DOOR DOOP DOTO DOTT			Halogens ☑ □%
F. PHYSICAL CHARACTERISTICS AT 70° F			
	Weight	(110 tt-)	Dames I Tavisius I D. (Matter)
1. Infectious or Biological Waste? ☐ Yes ☒ No 2. NRC Regulated Radioactive? ☐ Yes ☒ No	Density 5-10 lbs./gal. Dry Weight □<1.0%	(US, liq) lbs./cu. foot 6 lbs./cu.	Dermal Toxicity LD ₅₀ (Mg/Kg)   □ ≤40
3. Reactivity XI None	☐ 1-5%		□>40,≤200 X□>1000
☐ Pyrophoric ☐ Shock Sensitive☐ Cyanides ☐ DOT Explosive	pH □N/A □ 0-2	) □≥ 12.5	4. material poisonous by inhalation? ☐ Yes X No Oral Toxicity LD _{so} (Mg/Kg)
☐ Cyanides ☐ DOT Explosive ☐ Sulfides ☐ Other	□2.1-4 □10.1-1		□≤5 □>5, ≤50
	Ptb Dai-4 (Good-a-b)		Solids: ☐⇒50, ≤200 図>200   Uquids: ☐⇒50, ≤500 ☐>500
is (Cylinder) DX Solid	Flash Point (liquid only)  <73°F (23°C)	<b>Boiling Point</b>	Eddings: (1) 290, (2) 900
% Sludges%	73-140°F (23-60°C)	□ <95°F (35°C)	T to the second
☐ Lab-Pack ☐ Free Liquids% 100%	☐ 142-200°F (61-93°C) ☐ >200°F (93°C)	□ >95°F (35°C) ☑ N/A	<ul> <li>Is this waste stored in vented drums? ☐ Yes X3 No</li> <li>Is this waste pumpable? ☐ Yes X3 No</li> </ul>
Layers	□ N/A		7. Is this waste polymerizable? ☐ Yes X☐ N \
☐ Single Layered ☐ Bi-layered ☐ Multi-layered	BTU/Lb. >5,000	***	Is waste stream subject to the National Emission     Standards for Benzene Waste Operations
Viscosity ☐ Low ☐ Medium X High	73,000		(40 CFR 61 Subpart FF)? ☐ Yes X☐ No
Odor	H. PHYSICAL/CHEMICAL		Is this waste regulated as an ozone depleting     substance (40 CFR part 82)?     □ Yes X□ No
☑ None ☐ Mild ☐ Strong Describe:	ORGANIC DEBRIS CONS CARDBOARD, TYVEKS, (	SLOVES, RUBBER, 0-10 %	substance (40 ČFR part 82)? ☐ Yes X☐ No 10. Does this waste contain scrap metal pieces
Color/Appearance:	PLASTIC, PAINT BRUSH	HES/ROLLERS,	greater than 2 inches in size?
DEBRIS	WOOD PIECES, PAINT	CHIPS, SPILL %	
	PIGS, SPONGES,	%	
G. METALS	RESPIRATOR CARTRIDES		I. ANTICIPATED VOLUME
□ NONE □ TCLP (MG/L) 🖄 TOTAL (PPM)	WITH FUELS, OILS, A	CID BASES. 0-10 %	Oty. Container Oty. Container
Reg. Limit Below Above Range	WATER, PAINT, GREAS	E, OTHER%	
Arsenic 5 mg/L	ABSORBANT, DIRT	0-5_%	□ 5 gl. pail □ Cubic Yard Box* □ 15 gl. carboy □ Super Sack*
Barium 100 mg/L □ ¾	ADADRONIII, DINI		■ 30 gl. drum □ Rolloff/Dump Trailer
Chromium 5 mg/L ☐ X1 <350 Copper X1 ☐ <10		%	4
Copper № □ <10 lead 5 mg/L □ ※□ <2500		. %	□ 85 gl. drum □ Other
Mercury 0.2 mg/L			
Mercury 0.2 mg/L ☐ ★☐ <3 Nickel 134 mg/L № ☐ <10		%	
Nickel 134 mg/L		%	
Silver 5 mg/L ☐ ★☐ <25 Zinc 払 ☐ <10	ONLY CODES THAT APP	LY WILL BE	
Others:	MANIFESTED	% 100 %	
,	(Attach All MCDC Came	7 UUI 1 Analysis and Additional Info 1	(49 OFR 171.0): CITES BIND

Generator's Certification:
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards baye been disclosed. I certify that the materials tested are representative of all material described by this profile.

Generator's Authorized Signature: _

# **Material Profile**

M626 05057

# TC Rule Certification/Recertification

CHARACTERISTICS OF HAZARDOUS WASTE; Indicate if this waste contains any of the following characteristics based on criteria mandated by 40 CFR 281.21, 261.22, 251.23, and 281.24,

Process Analysis Process	Date Approved Final Routing	Laidiaw Use Only Approved by
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Actual Valor

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ROLLY OF GENERAL PARTE

thereby early that all information submitted on this fairn and all amoched documents are true and accounts, SIGNATURE STANK

No. 17-1-02

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00353162	0034001H	0033404H	00323081	0031310H	0030307H	00292961	00283101	0027309H	0026309H	0025309H	0024309H	00233091	0022309H	0021110H	0020103H	0019119H	0018110H	0017104H	00163101	00153101	00143071	0013310H	0012103H	0011309H	0010301H	0009119H	0008003H	00074073	0005319H	0004110H	0003203H	0002209H
SODA ASH - DISCONTINUED	WASTE CLEANER(1-1-1 C2CL3)	ACTIVATED CARBON	EMPTY DRUMS (STEEL/PLASTIC)	HAZARDOUS DEBRIS	LEAD/ANTIMONY ANODES	ANTIFREEZE	SPENT RESIN	SULFURIC ACID SPILL CLEAN UP	DRAINED LEAD ACID BATTERY	DRY Ni-Cad BATTERIES	MERCURY BATTERIES	DRY ALKALINE BATTERY	WET LEAD ACID BATTERY	PRINTING PRESS RINSE(BULK)	CHROMIC ACID (LIQUID)	DE-CHROME LIQUID	PRINTING PRESS RINSE(DRUMS)	WASTE HCL SOLUTION	NON-HAZ SPILL CLEANUP	DRAINED OIL FILTERS	NICKEL SOLIDS	CARBON FILTERS	WASTE NICKEL BATH	WASTE MERCURY DEVICES	DIRT/OIL CLEANUP	PLATING LIQUID	LAB PAKS	WASTE PVC	ELECTROPLATING SLUDGE	WASTE CAUSTIC	WASTE SOLVENTS	WASTE OIL
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				D002															,													



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TOO STREET, AL	AVASTIE MATERIAL .	3	15(00) 7:5E		EPA CODES	
00364032	PVC RESIN - DISCONTINUED	2	H			
0037388H	FLUORESCENT BULBS - CRUSHED	I	D009			
0038103H	SULFURIC ACID - SCRUBBER CLEAN	T	D007	D002		
0039307H	WASTE SOLID LEAD	エ	D008			
00403191	WASTE TREATMENT SOLIDS	_	NH			
00414091	WASTE INK		NH			
0042310H	WASTE CARBON CART ROLRMAKNG	エ	D001			
0043110H	BUCKET WASHER SLUDGE-PUMPABLE	工	D002			



### DEPARTMENT OF THE TREASURY

### BUREAU OF ENGRAVING AND PRINTING FORT WORTH, TEXAS 76131

RECEIVED

99 JUN 24 PM 12: 24

HAZARDOUS WAS USENF BR

Ms. Agatha Benjamin US Environmental Protection Agency 1445 Ross Avenue Suite 1200, 6EN-HT Dallas, Texas 75202-2733

REFERENCE:

Information Requested During Inspection June 9 and 10, 1998

Dear Ms. Benjamin:

The additional information that we discussed at our meeting with you on May 10, 1999, is enclosed. The following is included:

- Inspection data for the 90-day hazardous waste accumulation area. This includes the environmental technician's log, a summary of all the shipments from this area and a summary of the hazardous waste shipments.
- Training records for 1998.
- Documentation of the worker exposure problem that necessitated moving the SAP for the building operation and maintenance contractor from the point of generation to the chemical storage area in the ink mill.

Please give me a call at (817) 847-3820 if you need anything else or if I have left anything out.

Sincerely,

Colleen McKinney

Chemical Engineer

### **Hazardous Waste Records**

- 1(a). Procedure for damaged drums. If the drum is leaking it is placed in a secondary container until the contents can be pumped out. If the drum is not leaking it is returned to the point of origin to have the contents transferred to an undamaged drum.
- 1(c). Weekly inspection records. Copies of the daily log book are attached. Additionally, a summary of all shipping dates since 1/1/97 and a summary of hazardous waste shipments since 1/1/97.

<u>Daily log book</u>. The environmental technician inspects the 90-day hazardous storage area daily. Any leaking drums or other hazardous waste problems would be documented in this log book. Resolution of the problems would also be documented.

Summary of all shipping dates. The 90-day storage area for hazardous waste is adjacent to the shipping dock. Non-hazardous waste treatment plant sludge and waste ink are also staged in this area for shipment. Waste treatment plant sludge is shipped twice weekly and waste ink is shipped about once every two weeks. This summary shows each shipment made since 1/1/97. This summary documents that in addition to the daily inspections the environmental technician is working in the area twice weekly.

<u>Summary of hazardous waste shipments</u>. Hazardous waste shipments are made about once a month. All hazardous waste that has accumulated is shipped. This summary documents the frequency of hazardous waste shipments.

Manifests for all waste shipments are maintained on file.

ib)aninasariatata	E STETTE DE LA CHESTA	WASTE MATIERIAL
00414091	6/8/99	WASTE INK
00403191	6/8/99	WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00403191	L	WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
0008003H		LAB PAKS
00414091		WASTE INK
00403191		WASTE TREATMENT SOLIDS
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00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
0031310H		HAZARDOUS DEBRIS
00403191		WASTE TREATMENT SOLIDS
00364032		PVC RESIN
00414091		WASTE INK
0019119H		DE-CHROME LIQUID
00292961		ANTIFREEZE
0022309H	4/20/99	WET LEAD ACID BATTERY
0005319H	4/20/99	ELECTROPLATING SLUDGE
0031310H	4/20/99	HAZARDOUS DEBRIS
00442061	4/20/99	WASTE HYDRAULIC OILS
0003203H	4/20/99	WASTE SOLVENTS
00403191	4/15/99	WASTE TREATMENT SOLIDS
00403191	4/13/99	WASTE TREATMENT SOLIDS
00403191	4/8/99	WASTE TREATMENT SOLIDS
00403191	4/6/99	WASTE TREATMENT SOLIDS
00403191	4/1/99	WASTE TREATMENT SOLIDS
00403191	3/30/99	WASTE TREATMENT SOLIDS
00403191	3/25/99	WASTE TREATMENT SOLIDS
00403191	3/23/99	WASTE TREATMENT SOLIDS
00403191	3/18/99	WASTE TREATMENT SOLIDS
00403191	3/16/99	WASTE TREATMENT SOLIDS
0003203H	3/12/99	WASTE SOLVENTS
0031310H	3/12/99	HAZARDOUS DEBRIS
00292961	3/12/99	ANTIFREEZE
0031310H	3/12/99	HAZARDOUS DEBRIS
0020103H	3/12/99	CHROMIC ACID (LIQUID)
00403191	3/11/99	WASTE TREATMENT SOLIDS
00403191	3/9/99	WASTE TREATMENT SOLIDS

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00414091		WASTE INK
00403191	3/4/99	WASTE TREATMENT SOLIDS
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00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00364032		PVC RESIN
0037388H		FLUORESCENT BULBS - CRUSHED
0031310H		HAZARDOUS DEBRIS
0005319H		ELECTROPLATING SLUDGE
0011309H		WASTE MERCURY DEVICES
0022309H		WET LEAD ACID BATTERY
0043110H		BUCKET WASHER SLUDGE-PUMPABLE
00403191		WASTE TREATMENT SOLIDS
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00403191		WASTE TREATMENT SOLIDS
0009119H		PLATING LIQUID
0031310H		HAZARDOUS DEBRIS
0002209H		WASTE OIL
0003203H		WASTE SOLVENTS
0005319H		ELECTROPLATING SLUDGE
00403191		WASTE TREATMENT SOLIDS
00414091		WASTE INK
00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00103191 0011309H		WASTE MERCURY DEVICES
0031310H		HAZARDOUS DEBRIS
0022309H		WET LEAD ACID BATTERY
0002209H		WASTE OIL
00403191		WASTE OIL WASTE TREATMENT SOLIDS
0009119H		PLATING LIQUID
00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
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00403191		WASTE TREATMENT SOLIDS WASTE TREATMENT SOLIDS
00-100 131	11/1/98/	WASTE TREATMENT SULIDS

DX WASTE GO         SHIP DATE         WASTE MATERIAL           0019119H         11/16/98 DE-CHROME LIQUID           0003203H         11/16/98 WASTE SOLVENTS           0037388H         11/16/98 FLUORESCENT BULBS - CRUSHED           0031310H         11/16/98 HAZARDOUS DEBRIS           0005319H         11/16/98 ELECTROPLATING SLUDGE           0002209H         11/16/98 WASTE OIL           0043110H         11/16/98 BUCKET WASHER SLUDGE-PUMPABL           00403191         11/12/98 WASTE TREATMENT SOLIDS           00403191         11/10/98 WASTE TREATMENT SOLIDS
0003203H         11/16/98 WASTE SOLVENTS           0037388H         11/16/98 FLUORESCENT BULBS - CRUSHED           0031310H         11/16/98 HAZARDOUS DEBRIS           0005319H         11/16/98 ELECTROPLATING SLUDGE           0002209H         11/16/98 WASTE OIL           0043110H         11/16/98 BUCKET WASHER SLUDGE-PUMPABL           00403191         11/12/98 WASTE TREATMENT SOLIDS           00403191         11/10/98 WASTE TREATMENT SOLIDS
0037388H         11/16/98 FLUORESCENT BULBS - CRUSHED           0031310H         11/16/98 HAZARDOUS DEBRIS           0005319H         11/16/98 ELECTROPLATING SLUDGE           0002209H         11/16/98 WASTE OIL           0043110H         11/16/98 BUCKET WASHER SLUDGE-PUMPABL           00403191         11/12/98 WASTE TREATMENT SOLIDS           00403191         11/10/98 WASTE TREATMENT SOLIDS
0031310H         11/16/98 HAZARDOUS DEBRIS           0005319H         11/16/98 ELECTROPLATING SLUDGE           0002209H         11/16/98 WASTE OIL           0043110H         11/16/98 BUCKET WASHER SLUDGE-PUMPABL           00403191         11/12/98 WASTE TREATMENT SOLIDS           00403191         11/10/98 WASTE TREATMENT SOLIDS
0005319H         11/16/98 ELECTROPLATING SLUDGE           0002209H         11/16/98 WASTE OIL           0043110H         11/16/98 BUCKET WASHER SLUDGE-PUMPABL           00403191         11/12/98 WASTE TREATMENT SOLIDS           00403191         11/10/98 WASTE TREATMENT SOLIDS
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00403191 11/5/98 WASTE TREATMENT SOLIDS
00414091 11/3/98 WASTE INK
00403191 10/17/98 WASTE TREATMENT SOLIDS 00403191 10/15/98 WASTE TREATMENT SOLIDS
00403191 10/13/98 WASTE TREATMENT SOLIDS
0019119H 10/9/98 DE-CHROME LIQUID
0022309H 10/9/98 WET LEAD ACID BATTERY
0003203H 10/9/98 WASTE SOLVENTS
0011309H 10/9/98 WASTE MERCURY DEVICES
0019119H 10/9/98 DE-CHROME LIQUID
0031310H 10/9/98 HAZARDOUS DEBRIS
0043110H 10/9/98 BUCKET WASHER SLUDGE-PUMPABLE
00403191 10/8/98 WASTE TREATMENT SOLIDS
00403191 10/6/98 WASTE TREATMENT SOLIDS
00414091 10/1/98 WASTE INK
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00403191 9/24/98 WASTE TREATMENT SOLIDS
00403191 9/22/98 WASTE TREATMENT SOLIDS
00403191 9/17/98/WASTE TREATMENT SOLIDS
00403191 9/15/98 WASTE TREATMENT SOLIDS
00403191 9/8/98 WASTE TREATMENT SOLIDS
0009119H 9/3/98 PLATING LIQUID
00403191 9/3/98 WASTE TREATMENT SOLIDS
00403191 9/1/98 WASTE TREATMENT SOLIDS
00414091 8/27/98 WASTE INK
00403191 8/27/98 WASTE TREATMENT SOLIDS
00403191 8/25/98 WASTE TREATMENT SOLIDS
0002209H 8/21/98 WASTE OIL
0011309H 8/21/98 WASTE MERCURY DEVICES
0031310H 8/21/98 HAZARDOUS DEBRIS
0009119H 8/21/98 PLATING LIQUID
0005319H 8/21/98 ELECTROPLATING SLUDGE
0003203H 8/21/98 WASTE SOLVENTS

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0005319H	8/21/98 ELECTROPLATING SLUDGE
00403191	8/20/98 WASTE TREATMENT SOLIDS
00403191	8/18/98/WASTE TREATMENT SOLIDS
00403191	8/13/98/WASTE TREATMENT SOLIDS
00403191	8/11/98 WASTE TREATMENT SOLIDS
00403191	8/6/98 WASTE TREATMENT SOLIDS
00403191	8/4/98 WASTE TREATMENT SOLIDS
00403191	7/28/98/WASTE TREATMENT SOLIDS
00414091	7/27/98/WASTE INK
00403191	7/23/98 WASTE TREATMENT SOLIDS
00403191	7/21/98/WASTE TREATMENT SOLIDS
00403191	7/16/98/WASTE TREATMENT SOLIDS
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00403191	7/14/98 WASTE TREATMENT SOLIDS
00403191	7/9/98 WASTE TREATMENT SOLIDS
00403191 0003203H	7/2/98 WASTE TREATMENT SOLIDS
	6/30/98 WASTE SOLVENTS
0043110H	6/30/98 BUCKET WASHER SLUDGE-PUMPABLE
0022309H 0002209H	6/30/98 WET LEAD ACID BATTERY
	6/30/98 WASTE OIL
0005319H	6/30/98 ELECTROPLATING SLUDGE
0031310H	6/30/98 HAZARDOUS DEBRIS
00403191	6/30/98 WASTE TREATMENT SOLIDS
00403191	6/25/98 WASTE TREATMENT SOLIDS
00414091	6/24/98/WASTE INK
00403191	6/23/98 WASTE TREATMENT SOLIDS
00403191	6/18/98 WASTE TREATMENT SOLIDS
00403191	6/16/98 WASTE TREATMENT SOLIDS
00403191	6/9/98 WASTE TREATMENT SOLIDS
00403191	6/2/98 WASTE TREATMENT SOLIDS
00403191	5/28/98 WASTE TREATMENT SOLIDS
00403191	5/26/98 WASTE TREATMENT SOLIDS
00403191	5/19/98 WASTE TREATMENT SOLIDS
00414091	5/19/98 WASTE INK
00403191	5/12/98WASTE TREATMENT SOLIDS
00403191	5/5/98 WASTE TREATMENT SOLIDS
00403191	4/28/98 WASTE TREATMENT SOLIDS
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00403191	4/23/98 WASTE TREATMENT SOLIDS
00403191	4/16/98 WASTE TREATMENT SOLIDS
00403191	4/14/98 WASTE TREATMENT SOLIDS
00403191	4/9/98 WASTE TREATMENT SOLIDS
00414091	4/8/98 WASTE INK
00403191	4/7/98 WASTE TREATMENT SOLIDS
0002209H	4/1/98 WASTE OIL
0003203H	4/1/98 WASTE SOLVENTS
0043110H	4/1/98 BUCKET WASHER SLUDGE-PUMPABLE
0022309H	4/1/98 WET LEAD ACID BATTERY

	SHIPIDATE WASTEMATERIAL
0019119H	4/1/98 DE-CHROME LIQUID
0031310H	4/1/98 HAZARDOUS DEBRIS
00403191	3/31/98 WASTE TREATMENT SOLIDS
00414091	3/26/98 WASTE INK
00403191	3/26/98 WASTE TREATMENT SOLIDS
00403191	3/24/98WASTE TREATMENT SOLIDS
00403191	3/19/98 WASTE TREATMENT SOLIDS
00403191	3/17/98/WASTE TREATMENT SOLIDS
00403191	3/9/98 WASTE TREATMENT SOLIDS
00403191	3/5/98WASTE TREATMENT SOLIDS
00403191	3/3/98 WASTE TREATMENT SOLIDS
00403191	2/27/98 WASTE TREATMENT SOLIDS
00414091	2/27/98WASTE INK
00403191	2/26/98 WASTE TREATMENT SOLIDS
00414091	2/26/98 WASTE INK
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00403191	2/24/98 WASTE TREATMENT SOLIDS
00403191	2/19/98 WASTE TREATMENT SOLIDS
00414091	2/17/98/WASTE INK
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00414091	2/12/98/WASTE INK
00403191	2/11/98 WASTE TREATMENT SOLIDS
00403191	2/10/98 WASTE TREATMENT SOLIDS
00414091	2/5/98 WASTE INK
00403191	2/5/98 WASTE TREATMENT SOLIDS
00403191	2/3/98 WASTE TREATMENT SOLIDS
00414091	2/3/98 WASTE INK
00403191	1/29/98 WASTE TREATMENT SOLIDS
00414091	1/27/98 WASTE INK
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00403191	1/20/98 WASTE TREATMENT SOLIDS
0031310H	1/15/98 HAZARDOUS DEBRIS
0002209H	1/15/98 WASTE OIL
00403191	1/15/98 WASTE TREATMENT SOLIDS
0022309H	1/15/98 WET LEAD ACID BATTERY
0037388H	1/15/98 FLUORESCENT BULBS - CRUSHED
0011309H	1/15/98 WASTE MERCURY DEVICES
0004110H	1/15/98 WASTE CAUSTIC
0031310H	1/15/98 HAZARDOUS DEBRIS
0005319H	1/15/98 ELECTROPLATING SLUDGE
0003203H	1/15/98 WASTE SOLVENTS
00414091	1/13/98 WASTE INK
00403191	1/13/98 WASTE TREATMENT SOLIDS

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		HAZARDOUS DEBRIS
0031310H 0004110H	ţ	WASTE CAUSTIC
0004110H		PRINTING PRESS RINSE(DRUMS)
		DRAINED OIL FILTERS
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00414091		WASTE INK
0031310H		HAZARDOUS DEBRIS
0019119H		DE-CHROME LIQUID
0011309H		WASTE MERCURY DEVICES
0005319H		ELECTROPLATING SLUDGE
0003203H		WASTE SOLVENTS
0002209H		WASTE OIL
0013310H		CARBON FILTERS
0031310H		HAZARDOUS DEBRIS
00414091		WASTE INK
00403191		WASTE TREATMENT SOLIDS
0020103H		CHROMIC ACID (LIQUID)
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00414091		WASTE INK
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00414091		WASTE INK
00403191	8/22/97	WASTE TREATMENT SOLIDS
00403191	8/21/97	WASTE TREATMENT SOLIDS
00403191	8/19/97	WASTE TREATMENT SOLIDS
00414091		WASTE INK
00403191	8/14/97	WASTE TREATMENT SOLIDS
00414091	8/14/97	WASTE INK
00403191	8/12/97	WASTE TREATMENT SOLIDS
00414091		WASTE INK
00403191	8/7/97	WASTE TREATMENT SOLIDS
00403191	8/5/97	WASTE TREATMENT SOLIDS
00414091	8/5/97	WASTE INK
00414091	8/1/97	WASTE INK
00403191	8/1/97	WASTE TREATMENT SOLIDS
00403191	7/31/97	WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00414091		WASTE INK
00403191	7/25/97	WASTE TREATMENT SOLIDS
00414091	7/22/97	WASTE INK
00403191	7/22/97	WASTE TREATMENT SOLIDS
00403191	7/17/97	WASTE TREATMENT SOLIDS
0013310H	7/17/97	CARBON FILTERS
0022309H	7/17/97	WET LEAD ACID BATTERY

ingowayshir (ole)	SHIP DYAVIES	WASTEMATERIAL
0003203H	The state of the s	WASTE SOLVENTS
0005319H	7/17/97	ELECTROPLATING SLUDGE
0031310H	7/17/97	HAZARDOUS DEBRIS
0002209H	7/17/97	WASTE OIL
0004110H	7/17/97	WASTE CAUSTIC
00414091		WASTE INK
00403191		WASTE TREATMENT SOLIDS
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00414091		WASTE INK
00403191	<u> </u>	WASTE TREATMENT SOLIDS
00414091	4/29/97	WASTE INK

abxenivistate (e.e.)	ENSTERNING PARTIES	WASTEMATERIAL
00403191		WASTE TREATMENT SOLIDS
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00403191		WASTE TREATMENT SOLIDS
00414091		WASTE INK
00403191		WASTE TREATMENT SOLIDS
0002209H	1	WASTE OIL
0031310H		HAZARDOUS DEBRIS
00403191		WASTE TREATMENT SOLIDS
00414091		WASTE INK
0011309H		WASTE MERCURY DEVICES
0003203H		WASTE SOLVENTS
0008003H		LAB PAKS
00153101		DRAINED OIL FILTERS
0005319H		ELECTROPLATING SLUDGE
00414091		WASTE INK
00403191		WASTE TREATMENT SOLIDS
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0005319H		WASTE TREATMENT SOLIDS ELECTROPLATING SLUDGE
000331911 0003203H		WASTE SOLVENTS
0003203H 0002209H		
0002209H 00403191		WASTE TREATMENT SOLIDS
00403191		WASTE TREATMENT SOLIDS
00233091		WASTE INK
00233091 0031310H		DRY ALKALINE BATTERY
0009119H		HAZARDOUS DEBRIS
0009119H 0031310H		PLATING LIQUID
		HAZARDOUS DEBRIS
00403191		WASTE TREATMENT SOLIDS
00414091		WASTE TREATMENT SOLIDS
00403191	2121191	WASTE TREATMENT SOLIDS

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00414091	2/27/97	WASTE INK
00403191	2/25/97	WASTE TREATMENT SOLIDS
00403191	2/18/97	WASTE TREATMENT SOLIDS
00403191	2/14/97	WASTE TREATMENT SOLIDS
00414091	2/14/97	WASTE INK
00403191	2/10/97	WASTE TREATMENT SOLIDS
00414091	2/10/97	WASTE INK
00403191	2/6/97	WASTE TREATMENT SOLIDS
00414091	2/6/97	WASTE INK
00414091	2/4/97	WASTE INK
00403191	2/4/97	WASTE TREATMENT SOLIDS
00403191	1/31/97	WASTE TREATMENT SOLIDS
00414091	1/31/97	WASTE INK
00414091	1/28/97	WASTE INK
00403191	1/28/97	WASTE TREATMENT SOLIDS
00403191	1/21/97	WASTE TREATMENT SOLIDS
00414091	1/21/97	WASTE INK
00414091	1/17/97	WASTE INK
00403191	1/17/97	WASTE TREATMENT SOLIDS
00403191	1/16/97	WASTE TREATMENT SOLIDS
00414091	1/16/97	WASTE INK
00414091		WASTE INK
0009119H	1/13/97	PLATING LIQUID
0002209H	1/13/97	WASTE OIL
0005319H		ELECTROPLATING SLUDGE
00403191		WASTE TREATMENT SOLIDS
0010301H	1/13/97	DIRT/OIL CLEANUP
0037388H		FLUORESCENT BULBS - CRUSHED
0031310H		HAZARDOUS DEBRIS
0022309H		WET LEAD ACID BATTERY
00403191		WASTE TREATMENT SOLIDS
00414091		WASTE INK
00403191		WASTE TREATMENT SOLIDS
00414091	1/7/97	WASTE INK

2000	4	11/16/98	01851670	ELECTROPLATING SLUDGE	0005319H
800	2	11/16/98	01851669	WASTE SOLVENTS	0003203H
6400	16	11/16/98	01851671	WASTE OIL	0002209H
2000	5	11/16/98	01851669	BUCKET WASHER SLUDGE-PUMPABLE	0043110H
6 <del>5</del> 0	2	11/16/98	01851670	FLUORESCENT BULBS - CRUSHED	0037388H
1450	7	11/16/98	01851670	HAZARDOUS DEBRIS	0031310H
2000	4	12/1/98	7311948	WASTE OIL	0002209H
400		12/1/98	7311947	WET LEAD ACID BATTERY	0022309H
350	ယ	12/1/98	7311947	WASTE MERCURY DEVICES	0011309H
400	4	12/1/98	7311947	HAZARDOUS DEBRIS	0031310H
4500	9	12/1/98	7311947	PLATING LIQUID	0009119H
2000	4	12/21/98	7311974	WASTE SOLVENTS	0003203H
800	4	12/21/98	7311974	HAZARDOUS DEBRIS	0031310H
2000	4	12/21/98	7311974	ELECTROPLATING SLUDGE	0005319H
1200	ω	12/21/98	7311975	WASTE OIL	0002209H
8500	17	12/21/98	7311975	PLATING LIQUID	0009119H
4800	œ	1/29/99	01939360	BUCKET WASHER SLUDGE-PUMPABLE	0043110H
3600	ပ	1/29/99	7874008	HAZARDOUS DEBRIS	0031310H
420	7	1/29/99	7874007	ELECTROPLATING SLUDGE	0005319H
400		1/29/99	7874007	WET LEAD ACID BATTERY	0022309H
1500	ω	1/29/99	01939360	FLUORESCENT BULBS - CRUSHED	0037388H
1400	7	1/29/99	7874007	WASTE MERCURY DEVICES	0011309H
1500	ω	3/12/99	7874041	WASTE SOLVENTS	0003203H
3500	6	3/12/99	7874041	HAZARDOUS DEBRIS	0031310H
1500	ω	3/12/99	01893511	CHROMIC ACID (LIQUID)	0020103H
3500	8	3/12/99	7874041	HAZARDOUS DEBRIS	0031310H
2500	O ₁	4/20/99	01893586	DE-CHROME LIQUID	0019119H
2500	O1	4/20/99	7874063	WASTE SOLVENTS	0003203H
400	_	4/20/99	7874063	WET LEAD ACID BATTERY	0022309H
2450	7	4/20/99	7874063	HAZARDOUS DEBRIS	0031310H
1500	ω	4/20/99	7874063	ELECTROPLATING SLUDGE	0005319H
400	2	4/20/99	7874064	HAZARDOUS DEBRIS	0031310H
682	10	5/6/99	7689610	LAB PAKS	0008003H

DE-CHROME LIQUID   0185/1669   11/16/98   1	100		08/01/1	01131621	WASTE CAUSTIC	0004110H
DE-CHROME LIQUID   01854699   1176998   1   4   5   5   5   5   5   5   5   5   5	000	44	1/10/80	01131619	ELECTROPLATING SLUDGE	0005319H
DE-CHROME LIQUID   01861669   11/16/98   1   1   1   1   1   1   1   1   1	800	3 7	7145/00	07131619	WASTE SOLVEN IS	0003203H
DE-CHROME LIQUID   01841669   11/16/98   1   1   1   1   1   1   1   1   1	800	s	4/45/08	04434040	ANYOLE CIE	U8077000
DE-CHROME LIQUID   01881669   11/16/98   1   1   1   1   1   1   1   1   1	700	2	1/15/98	01131619	WASTE OH	00113091
DE-CHROME LIQUID	150		1/15/98	01131621	WASTE MERCURY DEVICES	0011300H
DE-CHROME LIQUID   01881689   11/16/98   1   1   1   1   1   1   1   1   1	2700	9	4/1/98	01514872	WASTE OIL	0002209H
DE-CHROME LIQUID   01881669   11/16/98   1   1   1   1   1   1   1   1   1	2400	<u></u>	4/1/98	01514872	WASTE SOLVENTS	0003203H
DE-CHROME LIQUID   01851669   11/16/98   1   1   1   1   1   1   1   1   1	4400	000	4/1/98	01514872	BUCKET WASHER SLUDGE-PUMPABLE	0043110H
DE-CHROME LIQUID   01851669   11/16/98   1   1   1   1   1   1   1   1   1	3750	15	4/1/98	01514873	HAZARDOUS DEBRIS	0031310H
DE-CHROME LIQUID	400	2	4/1/98	7311878	WET LEAD ACID BATTERY	0022309H
DE-CHROME LIQUID   DI851669   11/16/98   1	7500	15	4/1/98	01514873	DE-CHROME LIQUID	0019119H
DE-CHROME LIQUID   DIS1669   11/16/98   1	1800	ပြ	6/30/98	01444707	HAZARDOUS DEBRIS	0031310H
DE-CHROME LIQUID   DIS51669   11/16/98   1	2000	2	6/30/98	01444706	BUCKET WASHER SLUDGE-PUMPABLE	0043110H
DE-CHROME LIQUID   D1851669   11/16/98   1   1   1   1   1   1   1   1   1	800	2	6/30/98	7311901	WET LEAD ACID BATTERY	0022309H
DE-CHROME LIQUID   D1851669   11/16/98   11   1   1   1   1   1   1   1   1	10450	19	6/30/98	01444706	ELECTROPLATING SLUDGE	0005319H
DE-CHROME LIQUID   D1851669   11/16/98   1	3000	6	6/30/98	01444706	WASTE SOLVENTS	0003203H
DE-CHROME LIQUID   DE-CHROME LIQUID   DE-CHROME LIQUID   DIS51669   11/16/98   1	4400		6/30/98	01444706	WASTE OIL	0002209H
DE-CHROME LIQUID   DESCHROME LIQUID   DE-CHROME LIQUID   DESCHROME LIQUID   DESCHROME LIQUID   DESCRET WASHER SLUDGE-PUMPABLE   D1964746   10/9/98   1	2800	7	8/21/98	01444792	WASTE SOLVENTS	0003203H
DE-CHROME LIQUID   01851669   11/16/98   1	3000	7	8/21/98	01444792	WASTE OIL	0002209H
ECC         WASTEMALERIAL         MANITESTING         SHIP DATE         COUNT         QUINT           DE-CHROME LIQUID         01851669         11/16/98         1           BUCKET WASHER SLUDGE-PUMPABLE         01964746         10/9/98         1           HAZARDOUS DEBRIS         01964747         10/9/98         11           I WASTE SOLVENTS         01964746         10/9/98         4           I DE-CHROME LIQUID         01964746         10/9/98         3           I DE-CHROME LIQUID         01964746         10/9/98         1           I WASTE MERCURY DEVICES         01964746         10/9/98         1           I WET LEAD ACID BATTERY         7311909         10/9/98         1           I WET LEAD ACID BATTERY         7311909         9/3/98         1           I HAZARDOUS DEBRIS         01964616         9/3/98         1           I HAZARDOUS DEBRIS         01444793         8/21/98         1           I ELECTROPLATING SLUDGE         01444793         8/21/98         1           I ELECTROPLATING SLUDGE         01444792         8/21/98         4	1000	ω	8/21/98	01444792	WASTE MERCURY DEVICES	0011309H
DE-CHROME LIQUID   DE-CHROME LIQUID   DE-CHROME LIQUID   D1851669   11/16/98   1	2400	4	8/21/98	01444792	ELECTROPLATING SLUDGE	0005319H
DE-CHROME LIQUID   DE-CHROME LIQUID   DE-CHROME LIQUID   D1851669   11/16/98   1	200		8/21/98	01444793		0005319H
EGO         WANSTENAMIRRAL         WANTEST NO         SHIP DATE         NO OF CONTIAL QUID           DE-CHROME LIQUID         01851669         11/16/98         1           BUCKET WASHER SLUDGE-PUMPABLE         01964746         10/9/98         1           HAZARDOUS DEBRIS         01964747         10/9/98         11           WASTE SOLVENTS         01964746         10/9/98         4           DE-CHROME LIQUID         01964746         10/9/98         3           DE-CHROME LIQUID         01964747         10/9/98         1           WASTE MERCURY DEVICES         01964746         10/9/98         1           WET LEAD ACID BATTERY         7311909         10/9/98         1           HAZARDOUS DEBRIS         01964616         9/3/98         16           HAZARDOUS DEBRIS         01444793         8/21/98         10	400		8/21/98	01444793	PLATING LIQUID	0009119H
DE-CHROME LIQUID   DE-CHROME LIQUID   DE-CHROME LIQUID   D1851669   11/16/98   1	0008	10	8/21/98	01444793	HAZARDOUS DEBRIS	0031310H
DE-CHROME LIQUID   DE-CHROME LIQUID   DE-CHROME LIQUID   D1851669   11/16/98   1	6400	50	9/3/98	01964616		0009119H
DE-CHROME LIQUID   01851669   11/16/98   1	400	-3	10/9/98	7311909		0022309H
DE-CHROME LIQUID   DE-CHROME LIQUID   DE-CHROME LIQUID   D1851669   11/16/98   1	100		10/9/98	01964746	WASTE MERCURY DEVICES	0011309H
DE-CHROME LIQUID   DE-CHROME LIQUID   DE-CHROME LIQUID   DIS51669   11/16/98   1	250		10/9/98	01964747	DE-CHROME LIQUID	0019119H
DE-CHROME LIQUID   01851669   11/16/98   1	1500	. ω	10/9/98	01964746		0019119H
DE-CHROME LIQUID	2000	4	10/9/98	01964746		0003203H
DE-CHROME LIQUID	1300	11	10/9/98	01964747		0031310H
E GO WASTE MATERIAL MANUSESTANO SHIP DATE NO OF CONTRA QUANTILI DE-CHROME LIQUID 01851669 11/16/98 1	500	_	10/9/98	01964746	LUDGE-PUMPABLE	0043110H
SHIP OA TEN NO CHOONTA POUNTIN	400		11/16/98	01851669	DE-CHROME LIQUID	0019119H

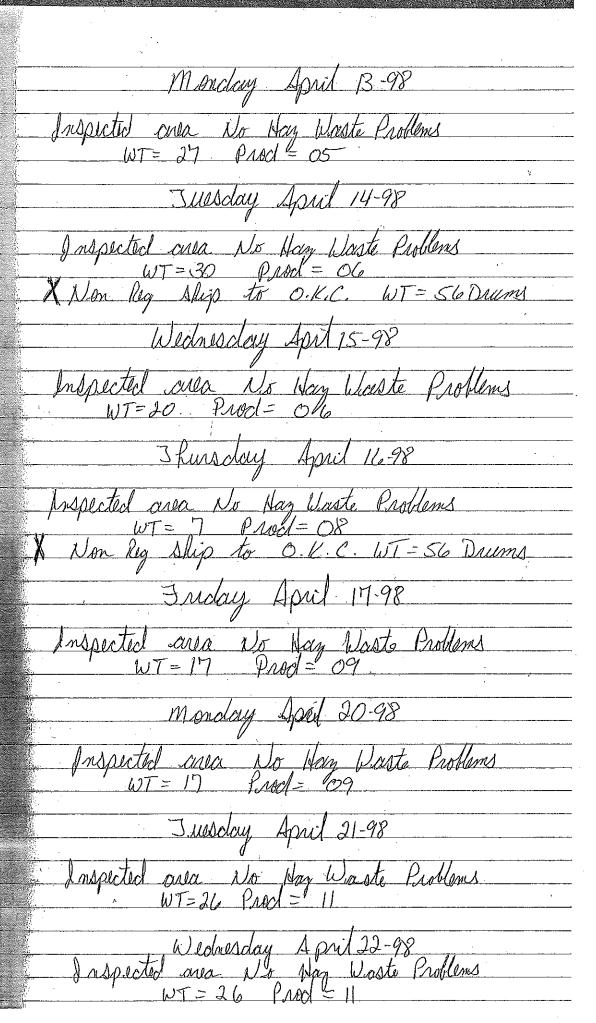
2000 800	2	3/0/9/	000		,
2000		2002	01131608	MACTE COLVENTS	000000000000000000000000000000000000000
	ហ	4/17/97	1131611	WASTE SOLVENTS	DDD32D3H
600	2	4/17/97	1131611	LAB PAKS	0008003H
1500	ယ	4/17/97	1131610	ELECTROPLATING SLUDGE	0005319H
2000	5	4/17/97	1131610	HAZARDOUS DEBRIS	0031310H
4000	1 00	4/17/97	1131610	WASTE OIL	0002209H
0001	2	4/17/97	1131611	WASTE MERCURY DEVICES	0011309H
000	5 5	7/17/97	01131612	WASTE OIL	0002209H
500	1 63	7/17/97	01131612	CARBON FILTERS	0013310H
3850		7/17/97	01131612	WASTE CAUSTIC	0004110H
400	<b>د</b> سا	7/17/97	01131612	WET LEAD ACID BATTERY	0022309H
900	. <u>u</u>	7/17/97	01131612	WASTE SOLVENTS	0003203H
1000	4	7/17/97	01131612	ELECTROPLATING SLUDGE	0005319H
JUUU	4	7/17/97	01131612	HAZARDOUS DEBRIS	0031310H
350		9/18/97	01131615	WASTE MERCURY DEVICES	0011309H
1200	4	9/18/97	01131614	WASTE OIL	0002209H
400	2	9/18/97	01131616	CARBON FILTERS	0013310H
1800	<u> </u>	9/18/97	01131615	CHROMIC ACID (LIQUID)	0020103H
DOOL	5	9/18/97	01131615	DE-CHROME LIQUID	0019119H
350	1 -3	9/18/97	01131615	HAZARDOUS DEBRIS	0031310H
900		9/18/97	01131614	WASTE SOLVENTS	0003203H
1000	4 0	9/18/9/	01131615	HAZARDOUS DEBRIS	0031310H
200	1	9/18/97	01131614	ELECTROPLATING SLUDGE	0005319H
2100	, ,	11/13/97	01131617	WASTE SOLVENTS	0003203H
0100	1/	11/13/97	01131617	WASTE OIL	0002209H
700	iω	11/13/97	01131617	HAZARDOUS DEBRIS	0031310H
350	1	11/13/97	01131618	WASTE CAUSTIC	0004110H
350	د_ د	11/13/97	01131618	PRINTING PRESS RINSE(DRUMS)	0018110H
400		11/13/97	01131617	HAZARDOUS DEBRIS	0031310H
1000	, (c	1/15/98	01131619	HAZARDOUS DEBRIS	0031310H
300	) <u>ω</u>	1/15/98	01131621	HAZARDOUS DEBRIS	0031310H
300	)	1/15/98	01131622	WET LEAD ACID BATTERY	0022309H
000		1/15/98	01131622	FLUORESCENT BULBS - CRUSHED	0037388H
		Part of the second seco		O WIND TEMPORAL SERVICE	

2500	<u> </u>	1/13/97	01131606	WASTE OIL	0002209H
450		1/13/97	01131607	H DIRT/OIL CLEANUP	0010301H
14000	28	1/13/97	01131606	H PLATING LIQUID	0009119H
700		1/13/97	01131606	H ELECTROPLATING SLUDGE	0005319H
350		1/13/97	01131607	FLUORESCENT BULBS - CRUSHED	0037388H
75		1/13/97	01131606	HAZARDOUS DEBRIS	0031310H
250		1/13/97	01131607	WET LEAD ACID BATTERY	0022309H
2500	υī	3/6/97	01131609	H ELECTROPLATING SLUDGE	0005319H
1400	ω	3/6/97	01131609	H WASTE OIL	0002209H
7500	6	3/6/97	01131609	HAZARDOUS DEBRIS	0031310H
300		3/6/97	01131608	HAZARDOUS DEBRIS	0031310H
1000	2	3/6/97	01131609	PLATING LIQUID	0009119H
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# RECORD

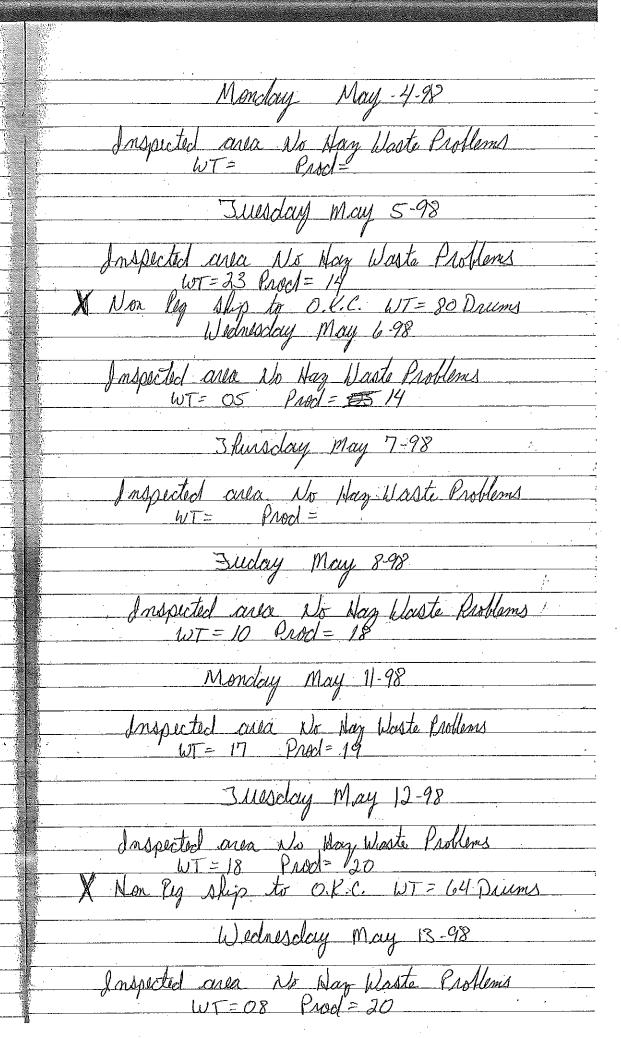
7530/00/286:8963 FEDERAL SUPPLY/SERVICE

3 Kursday April 2-98 Inspected area No Hay Waste Problems
wT= 17 Probl= 11 Friday April 398 Inspected area No Hay blaste Problems WT = 24 Prod = 13 Monday April 6-98 Inspected onea No Hay Woste Problems WT = 23 Prod = 13 Juesday April 7-98 mspected area No Hay Waste Problems
WT = 33 Prod = 13
Non Reg Ship to O.K.C. 56 Dumy W.T. S. Wednesday April 8-98 Inspected area No Hay Waste Problems
WT = 21 Prod = 14
Non Reg Ship to 21. 56 Duens 3 Kursday April 9-98 Inspected area No Haz Wasta Problems
WT= 24 Prod=01
Non Reg Ship to OKC. WT=56 Decemb Fuday April 10-98 daspected area No Hay Waste Problems WT=15 Prod=63



3 Russday April 23-98	17
. $lacksquare$	
Josepheted area No Hay Waste Problems WT = C44 Prod=12  N Non Reg Slip = OKC WT = 56 Drums	
Non leg slip = ORC WT = 56 Drums	
Friday April 24-98	
·	
Inspected rule No Hay Waste Problems WT = 04 Prod=12  Non Reg Skip to O.E.C. WT = 56 Dums	1
, ·	
Monday April 27-98	
Inspected area No Hay Waste Brokens WT = 14 Prod = 09	
Juesday April 28-98	
Inspected area No Hay Waste Problems	
Suspected area No Hay Waste Problems  WT = 0.3 Prod = 09  Non Reg Ship to O.K.C. WT = 56 Dumes	
Wednesday April 29-98	1-
Inspected and No Hay Waste Problems WT=06 Prod=12	1
Thursday April 30	
V	
dospected area do Haz Maste Problems NT=08 Prod = 14	
Juday Apt May 1-98	
Inspected area No Nag Waste Violens  WT = 16 Plad = 15	1
	31 <b>33</b> 33 SP

Missill And Arthresis (Arthresis Arthresis (Arthresis Arthresis Arthresis (Arthresis Arthresis Arthresis Arthr



Thursday May 14-98	
	*
Inspected areas No Hay Waste Problems WT = 14 Prod = 22	
Fuday May 15-98	<u> </u>
	<b> </b>
Inspected area No Hay Waste Problems WT= 18 Prod = 22	
Monday May 18-98	ļ
Inspected rules 1/2 Non Wastes Problems	-
Inspected area No May Wastes Problems WT = 20. Proof = 24	
	-
Juesday May 1998	F #
Inspected area No Hay Waste Problems  WT = 21 Propl = 25  Non Reg ship to O.K.C. WT = 64 Drums  Non Reg Ship to lake Chenles Propl = 80 Drums	
VI = 21 Prod = 25	4. 第二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十
Non rea ship to lake charles Prod = 80 Dums	
Wednesday May 2098	i de la companya di
Innantal and War Now Waste Problems	
Inspected area No Nay Waste Problems NT=5 Prod=5	
3 kursday may 21-98	
Imagested room Nor War Whate Problems	1500 (200 - 200 ) 1500 (200 - 200 ) 1500 (200 - 200 )
Inspected area No Nay Waste Problems WT= 18 Prod = 05	
Juday May 22-98	
Janvected area No Non Waste Prolems	
Inspected area No Noz Waste Prolems WT = 22 Prod = 04	

Monday May 25-98 off Juesday May 26-98 Inspected area No Hay Waste Problems WT = 22 Prod = 06 Non Reg Ship to O.R.C. WT = 64 Drums Wednesday May 27-98 Inspected area No Hay Waste Problems WT = 16 Prod = 07 3 fursday May 28-98 Inspected cula No Hay Wasto Problems

WT = 16 Prod=07

Non Reg Ship to O.K.C WT = 64 Drums 3 Mday May 29 98 Inspected area No Haz Waste Problems WT = 00 Prod = 07 Monday June 1-98 Inspected area No Way Waste Problems Justay June 2-98 Inspected area No Hay Waste Problems Non Reg Ship to O.K.C. WT = 64 D O.K.C. WT= 64 Dums

Wednesday June-3-98
Inspected area No Hay Waste Problems WT = 06 Proct = 09
3 Runsday June 4-98
Inspected area No Hay Waste Problems WT=14 Proof = 10
3 reday June 5-98
Inspected and No Nay Waste Problems WT= 16 Prod=10
Monday June 8-98
Inspected area No Hay Waste Problems  WT = 22 Prod = 10
Juesday June 9-98
Inspected area No Hay Waste Problems  WT = Prod = 11  Non Reg Ship to ORC. WT = 72 Drums
Wednesday June 10-98
Juspected area No Hay Waste Problems  WT = 12 Prod = 12
5 Rusday June 11-98
Inspected area No Hay Waste Problems WT = 18 Prool = 12
Inspected area no Hag Wasto Broblems  WT = PRod =

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Monday June 15-98 Inspected and no Hag Woste Problems

WT = Prod = Tuesday June 16-98 Inspected and No Hag Waste Problems
WIT = prod =
Non Hag Ship to OKC WT = 72 DRums Wednesday June 17-98 Inspected and no Hay Waste Problems
WT: Prod= Thursday June 18-98 Inspected area no bag worte problems
WT = Prod =
Non Reg Ship to OKC WT = 72 DUMS! Angrected area no Bag Warte passions Monday June 22-98 forspicted area No Hay Waste Problems WT=17 Prod = 24 wesday June 23-98 No Nay Waste Problems Proct = 26 to O.K.C. WT = 72 Dulms Wednesday June 24-98. Inspected area No Hain Waste Problems